

80  
371

LIBRARY  
RECEIVED  
★ MAY 6 1947 ★  
U.S. DEPARTMENT OF AGRICULTURE  
MELBOURNE BRANCH

# AMERICAN NURSERYMAN

*The Nurseryman's Forte: To Make America More Beautiful and Fruitful*

MAY 1, 1947

U.S. DEPARTMENT OF AGRICULTURE  
LIBRARY  
★ JUN 18 1947 ★  
PLANT INDUSTRY SUB-BRANCH



Stephanandra Incisa

**SEEDS**

TREE — SHRUB — PERENNIAL  
FLOWER — VEGETABLE

**HERBST BROTHERS**  
92 Warren St., New York 7, N. Y.

Correspondence with seed collectors and growers invited.

Free catalog "Seeds for Nurserymen."

# HARDY PERENNIALS

Extra-high quality; field-grown, strong, well rooted plants to please your most exacting customers.

TERMS—Regular. F.O.B. Shenandoah. Prices are per 100. 30 or more of the same variety supplied at 100 rate. All shipments by express collect, available for immediate shipment.

	Per 100
ALYSSUM Saxatile Compactum	\$12.00
AMSONIA Blue Star of Texas	12.00
<b>AQUILEGIA</b>	
Canadensis	12.00
Copper Queen	15.00
Crimson Star Longissima	15.00
Dobbie's Imperial Hybrids	10.00
Long-spurred Blue Shades	12.00
Long-spurred Rose Queen	12.00
Long-spurred Snow Queen	12.00
Mrs. Scott Elliott's Long-spurred Hybrids	10.00
<b>ASTERS, DWARF</b>	
Lilac Time	12.00
Nancy	12.00
Snowsprite	12.00
Victor	12.00
<b>ASTERS, UPRIGHT</b>	
Adorable	15.00
Beechwood Challenger	15.00
Blue Boy	15.00
Blue Cloud	15.00
Blue Lagoon	18.00
Feltham Blue	12.00
Mt. Ranier	15.00
Palmyra	15.00
Strawberries and Cream	15.00
Sunset	15.00
BOLTONIA Latisquama	10.00
CALLIRHOE Involucrata	12.00
<b>CAMPANULA</b>	
Calycanthema	12.00
Medium	12.00
CATANANCHE Coerulea	15.00
<b>CHRYSANTHEMUM MAXIMUM</b>	
Alaska	10.00
Diener's Double White	15.00
Diener's G. Marconi	15.00
Lothian Bell Strain	12.00
<b>COREOPSIS</b>	
Double Sunburst	10.00
Golden Shower	15.00
Mayfield Giant	10.00
<b>DELPHINIUM</b>	
Belladonna Clivedon Beauty	10.00
Bellamosum	10.00
Bellamosum Lamartine	10.00
Blackmore-Langdon Hybrids	12.00
Gold Medal Hybrid	12.00
Wrexham Giant Hollyhock	12.00
Strain Mixed	12.00
<b>DIANTHUS</b>	
Barbatus	10.00
Dwarf Midget	12.00

	Per 100
<b>DIANTHUS—Cont.</b>	
Holborn Glory	\$10.00
Homeland	12.00
Nigricans	10.00
Purple Beauty	10.00
Scarlet Beauty	10.00
White Beauty	10.00
<b>DIANTHUS PLUMARIUS</b>	
Allwoodi	12.00
Semperflorens	10.00
Seguieri	15.00
<b>DIANTHUS SPECIES</b>	
Arenarius	12.00
Latifolius Atrococcineus	12.00
DICENTRA Eximia	22.00
EUPHORBIA Myrsinites	15.00
<b>FUNKIA</b>	
Caerulea	14.00
Variegated	16.00
<b>GAILLARDIA</b>	
Burgundy	12.00
Monarch Strain	12.00
<b>GYPSOPHILA</b>	
Oldhamiana	12.00
Paniculata Compacta	10.00
Pacifica	12.00
Repens Rosea	12.00
Snow White, Double	12.00
HELENIUM Riverton Gem	15.00
<b>HEMEROCALLIS</b>	
August Pioneer	18.00
Hyperion	35.00
Mikado	20.00
Ophir	18.00
<b>HYDRANGEA Blue Prince</b>	
2-year dormant stock	50.00
Pot Plants	20.00
IRIS Dichotoma	10.00
LINUM Perenne, Blue	10.00
LUPINUS, Russell	12.00
LYCHNIS Chalcedonica	12.00
<b>LYTHRUM</b>	
Rosalie	20.00
The Beacon	20.00
MONARDA Avalon Hybrids	12.00
MYOSOTIS Pink Beauty	18.00
NEPETA	10.00
<b>PENSTEMON</b>	
Cherry Glow	15.00
Garnet	15.00
<b>PHLOX PANICULATA</b>	
Annie Laurie	15.00
Antoinette Six	18.00
Apollo, Red	15.00
Apollo, White	15.00
Brilliant	12.00
Caroline Vandenberg	15.00
Champs Elysees	12.00
Charles Curtis	15.00

	Per 100
<b>PHLOX—Cont.</b>	
Daily Sketch	\$15.00
Dr. Klemm	12.00
E. J. Farrington	14.00
Enchantress	15.00
Eva Forrester	15.00
Fairy King	18.00
F. G. von Lassburg	12.00
Gen. Petain	14.00
Gen. von Heutz	14.00
Graf Zeppelin	14.00
Hauptmann Koehl	15.00
Irene	18.00
Jules Sandeau	12.00
July Lights	15.00
Mrs. Ethel Pritchard	12.00
Painted Lady	15.00
Pantheon	12.00
P. D. Williams	15.00
Prime Minister	14.00
Progress	18.00
Purple Heart	20.00
Rheinlander	12.00
Rosenberg	12.00
Ruby Lee	20.00
Silverton	14.00
Starlight	15.00
Wm. Kesselring	12.00
PHYSOSTEGIA Rosy Spire	12.00
PLATYCODON	12.00
PLUMBAGO Larpentae	15.00
<b>PYRETHRUM</b>	
Extra-select Double Mixed	14.00
Hybridum Roseum	14.00
RUDBECKIA Purpurea	10.00
<b>SALVIA</b>	
Jurisici	12.00
Pratensis Rosea	12.00
<b>SEDUM</b>	
Album	10.00
Aureum	10.00
Murale	10.00
Maximum Atropurpureum	14.00
Oppositifolium	12.00
Sexangulare	10.00
Spurium Roseum	10.00
Stoloniferum	10.00
<b>SEMPERVIVUM</b>	
Boissier	12.00
Rubrum	12.00
<b>STATICE</b>	
Latifolia	15.00
<b>THYMUS</b>	
Serpyllum Coccineum	12.00
<b>TRADESCANTIA</b>	
Delight	12.00
Purple Dome	18.00
TRITOMA Pfizeriana	12.00
VERONICA Spicata	12.00
<b>VIOLA ODORATA</b>	
Fry's Fragrant	12.00
Royal Robe	20.00



*"One of America's Foremost Nurseries"*

**MOUNT ARBOR NURSERIES**  
**SHENANDOAH, IOWA**

*E.S. Welch* PRES.

# AMERICAN NURSERYMAN

[Registered U. S. Patent Office]

*The Nurseryman's Forte: To Make America More Beautiful and Fruitful*

VOL. LXXXV, No. 9

MAY 1, 1947

Founded 1904  
With which was merged 1939  
THE NATIONAL NURSERYMAN  
Established 1893

\* \* \* \* \*

Published on the  
first and fifteenth  
of each month by the  
AMERICAN NURSERYMAN  
PUBLISHING COMPANY

343 South Dearborn Street,

Chicago 4, Illinois.

Telephone: Wabash 8194

\* \* \* \* \*

Subscription Price:  
\$2.00 per year; outside  
United States, \$2.50;  
Single Copies, 15c.

\* \* \* \* \*

Advertising Rates  
on application.  
Forms close fifteen days  
before date of issue.

\* \* \* \* \*

Entered as second-class matter  
December 14, 1933, at Chicago,  
Ill., under act of March 3, 1879.

## CONTENTS

Which Way Nursery Stock Prices?.....	7
Can We Replace the Elms?.....	9
By R. Morgan Smith	
Annual Bluegrass for Nursery Rows.....	11
By Arthur E. Luedy	
Prize Designs of Small Home Grounds.....	12
Plant Boards Meet at Des Moines.....	16
Plant Notes Here and There.....	18
By C. W. Wood	
Rate Yourself as Retail Nurseryman.....	28
By Ross R. Wolfe	
Editorial.....	6
—From Where We Sit.....	6
—The President on Prices.....	6
—What Is Surplus?.....	6
Interesting Conifer.....	8
Trees to Replace Elm.....	10
I. H. Bass, Jr.....	10
New Indiana Association.....	10
American Association of Nurserymen.....	14
—A. A. N. Activities.....	14
—Convention Plans.....	14
Arbor Day Anniversary.....	14
Georgia Convention.....	22
Set Connecticut Dates.....	23
August Dates Set for Shade Tree Conference.....	23
Plan Second National Horticultural Congress.....	23
Postal Rates Bill.....	24
Mangel's Opens Nursery.....	26
Dormant Nursery Firm Files for Dissolution.....	29
Mail-order Men Meet.....	30
Grand Rapids Group Hears Insurance Plans.....	32
Cover Illustration.....	33
—Stephanandra Incisa.....	33
California Association of Nurserymen.....	34
—Advertising Materials.....	34
—Bills Aid Nurserymen.....	34
—California Convention.....	35
—California Directors Hold Midyear Meeting.....	35
—Association Exhibit.....	37
—San Joaquin Meeting.....	37
—Central California Nurserymen Meet.....	38
—San Fernando Meeting.....	40
California Notes.....	41
Kills Weeds in Nursery.....	41
Florida Strengthens Citrus Quarantine.....	42
Obituary.....	43
—S. James Todd.....	43
—Joseph Gerardi.....	43
—Jacob Wessels.....	43
Fort Wayne Association.....	49
New Books and Bulletins.....	50
—Retailers' Handbook.....	50
—Technical Dictionary.....	50
—Lilies for Everyone.....	50
—Shade Tree Proceedings.....	50
—Sewage Sludge Fertilizer.....	51
—Perennials for Canada.....	52
—Poisonous Plants.....	53
—Bulletins Received.....	54
St. Louis Group Meets.....	55
News from Ohio.....	56
Lake County Meeting.....	56
Biggest Free Service Organization in World.....	58
New Products.....	60
—Oscillating Sprinkler.....	60
—Vacuum Leaf Raker.....	60
—Lightweight Wire Rake.....	60
—Scale Drawing Pad.....	60
—Soil Testing Equipment.....	60
Dutch Elm Disease Quarantine Lifted.....	64
Catalogs Received.....	66
Lord & Burnham Merged.....	66

# INDEX TO ADVERTISERS

Allen Co. ....	58-61	Forest Nursery Co. ....	35	Naco Mfg. Co. ....	55
American Bulb Co. ....	43	Foster Nursery Co. ....	37	Nagle's Nursery ....	34
American Chemical Paint Co. ....	65	Fuller Wheel Hoe Co. ....	56	Nash Mole Trap. ....	51
American Color & Chemical Co. ....	51			National Landscape Institute. ....	36
American Florist Supply Co. ....	63			National Nurseries ....	36
American National Bag & Burlap Co., Inc. ....	66	Garden Shop, Inc. ....	58	New Amsterdam Import Co. ....	63
American Soil Sponge Selling Corp. ....	53	Gardner's Nurseries ....	25	Nurserymen's Exchange ....	43
Andrews Nursery Co. ....	32	Georgia Peat Moss Co., Inc. ....	54		
Anna Strawberry Nursery ....	39	Graham-Paige Motor Corp. ....	57	Oliver Flower Farms, M. ....	34
Arborist Supply Co., Inc. ....	65	Gray, Inc. ....	51	Onarga Nursery Co., Inc. ....	37
Ariens Co. ....	64	Gray Nurseries ....	43		
Arlington Landscape Nursery ....	39	Greenbrook Nurseries, Inc. ....	21		
Atkins Sons, L. ....	66	Grootendorst & Sons, F. J. ....	26	Pacific Coast Nursery ....	40
Atlantic Supply Co. ....	56	Gro-Quick ....	51	Pallack Bros. Nurseries, Inc. ....	26
		Guldemon & Co. ....	26	Palmer & Son, J. R. ....	38
		Gurney Seed & Nursery Co. ....	33	Peterson & Dering ....	40
				Pontiac Nursery Co. ....	38
Bagatelle Nursery ....	25			Portland Wholesale Nursery Co. ....	41
Bailey Nurseries, J. V. ....	32	Half Moon Mfg. & Trading Co. ....	26	Princeton Nurseries ....	29
Barco Machine Products Co. ....	61	Halpern Bros. ....	66	Pritchard Nurseries ....	38
Basham, V. P. ....	38	Harrison Bros. Nurseries ....	38		
Beets, Inc. ....	61	Heasley's Nurseries ....	22		
Bergeson Nursery ....	38	Herbst Bros. ....	1	Rambo's Whlse. Nursery, L. J. ....	38
Bobbink & Atkins ....	28	Hess' Nurseries ....	31	Ra-Pid-Gro Corp. ....	52
Bountiful Ridge Nurseries ....	22-24-35	Hill Nursery Co., D. ....	68	Reliance Fertilizer Co. ....	56
Boxwood Gardens ....	27	Hobbs & Sons, Inc., C. M. ....	32	Rich & Sons ....	40
Boyd Nursery Co. ....	39	Homestead Nurseries ....	27	Richland Gardens ....	64
Brown Deer Nurseries ....	30	Hook's Nursery ....	39	Riverside Nursery ....	39
Bryant's Nurseries ....	32	Horsford, Wm. Crosby ....	27	Robinson Sales Agency, E. D. ....	33
Bulk & Co. ....	26	Howard Rose Co. ....	41		
Buntings' Nurseries, Inc. ....	21	Humphreys Landscape Service ....	35		
Burr & Co., Inc., C. R. ....	5	Hydroponic Chemical Co., Inc. ....	62		
Burton's Hilltop Nurseries ....	32			Scarff's Sons, W. N. ....	19
Byers, P. L. ....	65	Ilgelfritz' Sons Co., I. E. ....	35	Schifferli & Son Nurseries, F. E. ....	33
		Itner Bros. ....	65	Schupp Florist Supply Co. ....	53
				Schuykill Chemical Co. ....	53
Campbell-Hausfeld Co. ....	54	Jackson & Perkins Co. ....	29	Shavings & Sawdust Co. ....	61
Carpenter & Co., Geo. B. ....	62	Jewell Nurseries, Inc. ....	32	Sherman Nursery Co. ....	32
Carscallen Nursery Label Co. ....	42	Johnston, William A. ....	41	Sherwood Nursery Co. ....	41
Center Road Nursery ....	62			Shinn, Warren ....	38
Champion Sprayer Co. ....	63	Kallay Bros. Co. ....	32	Sisk Nurseries ....	37
Chandler Machine Co. ....	60	Kansas Evergreen Nurseries ....	33	Sizemore, Charles ....	36
Chase Co., Benjamin ....	66	Keeler's Gardens ....	39	Smith Corp., W.-T. ....	24
Classified Ads ....	44-45-46-47-48	Koster Nursery Co. ....	21	Sneed Nursery Co. ....	36
Cloverset Flower Farm. ....	27-67	Krieger's Wholesale Nursery ....	33	Soil Research Laboratories, Inc. ....	31
Colby Co., Eli. ....	58	Kuemmerling, Karl ....	62	Somerset Rose Nursery, Inc. ....	52
Colby Pioneer Peat Co., Inc. ....	64			Sprayed Insulation, Inc. ....	50
Concord Chemical Products, Inc. ....	59	LaBars' Rhododendron Nursery ....	28	Stuart & Co., Inc., C. W. ....	25
Crystal Soap & Chem. Co., Inc. ....	61	Lake Charles Nursery ....	61	Sudbury Soil Test Laboratory ....	50
Curtis Nurseries ....	24	Lake's Shenandoah Nurseries ....	33	Suncrest Evergreen Nurseries ....	22
		Leonard & Sons, A. M. ....	58	Surtees, John ....	37
Dambach, W. W. ....	24	Lindig's Mfg. Co. ....	50	Swift & Co. ....	17-57
Dayton Fruit Tree Label Co. ....	52	Lovett, Lester ....	22		
Deerfield Nurseries ....	21	Lowell Mfg. Co. ....	25	Vanvert Freres & Fils. ....	27
Doerfler & Sons, F. A. ....	41	Luckhard's Nursery ....	37	Verhalen Nursery Co. ....	32
Doty & Doerner, Inc. ....	41			Vuyk Van Nes Nurseries ....	26
Dow Chemical Co. ....	50	Magee, Thomas J. ....	64		
Dummett, Arthur ....	24	Markham's Ohio Nursery ....	51	Want Ads ....	49
		McGill & Son, A. ....	41	Washington Nurseries ....	40
Eagle Wrapping Products Co. ....	54	McHutchison & Co. ....	66	Wassenberg, C. F. ....	34
Egyptian Nursery & Landscape Co. ....	38	Meehan Co., Thos. B. ....	31-66	Waynesboro Nurseries ....	18
Eidson Landscape Co. ....	28	Milton Nursery Co. ....	41	Weller Nurseries Co. ....	34
Esham's Nurseries ....	24	Mitchell Nurseries ....	31	West Hill Nurseries ....	27
Evergreen Nursery Co. ....	32-38	Monarch Shingle Co. ....	42	Westminster Nurseries ....	21-27
Excel Peat, Ltd. ....	58	Monrovia Nursery Co. ....	43	Williams & Harvey Nurseries ....	52
		Moran, E. C. ....	43	Williams, Isaac Langley ....	28
Fairview Evergreen Nurseries ....	27	Morse Co., A. B. ....	66	Williams Nurseries, Charles H. ....	22
Farmers Wholesale Nursery ....	29	Mount Arbor Nurseries ....	2	Willis Nursery Co. ....	15-20-23
				Wonderland Nurseries ....	35
				Wood Specialties Co. ....	42

**CLOSING DATE**—Copy for the May 15 issue must reach this office by May 5.



LATE SEASON  
Reduced Price List

AVAILABLE  
ON REQUEST

24-Hour Shipping Service

C. R. BURR & COMPANY  
INC.

Manchester, Conn.

*"Growing since '98"*

# AMERICAN NURSERYMAN

F. R. KILNER, Editor

## Editorial

### FROM WHERE WE SIT.

The editorial report on the opposite page as to what some nurserymen are thinking about price trends reflects accounts from the field limited in number. Some observations from the publisher's office may clarify impressions elsewhere.

Nurserymen of long experience know that one does not need to travel about the country and inspect fields to determine whether or not there are surpluses. The mimeographed and printed offers that go through the mail invariably have brought the news promptly enough for anyone interested. Even though the mimeographed and printed offers that go out by direct mail circulate only in limited areas, there are enough in any territory to make the situation plain.

Until recent years nurserymen relied upon direct mail almost entirely for their priced offers. The very limited circulation of the trade periodicals in those days made that necessary. As the American Nurseryman increased the number of its readers, particularly in the past few years, until today it regularly reaches more than 6,500 trade buyers, sellers of nursery stock found it was much cheaper to use an advertisement in these columns than to make their own mailings, aside from the cost of developing and maintaining a list of prospects. They found, also, that the magazine was more careful to limit its subscription list to persons entitled to receive wholesale prices than some of those firms which compiled their own mailing lists. Hence the rapid increase of advertising patronage in these columns in recent years.

As readers note the larger size of the magazine, they realize at the same time that about half of the advertising is of equipment and supplies—the volume of such offers has had as much to do with the greater size of the magazine as the advertisements of nursery stock. Then, one has only to turn its pages to see how predominate are the business cards and the offers of regular advertisers among nurserymen. Many small firms do not send out any individual mailings at all, but reach the trade with their priced offers only through this medium, at the beginning as well as the end of the season. Indeed, in the recent issues, the largest yet published, one would find few pages

## The Mirror of the Trade

which were either labeled or could be considered offers of surplus stock. Just what surplus means is the topic of another editorial below.

Each season an additional number of the bigger firms in the field have found it more advantageous to use a page or two of this magazine to list their stock than to print and mail their own price lists. Hence the greater volume of this type of advertising does not indicate an increased production, but a different method of advertising on the part of some nurserymen.

Definite indication of a decreased supply of nursery stock is apparent in the case of some advertisers who have used two, three or four pages for their complete wholesale lists in this magazine for several seasons. The fact is that in several cases the quantity of stock available has occupied less space this year than in previous seasons.

Turning the pages of the magazine, one does find corroboration of statements on the opposite page, that either the market is easier for some items of fruit tree and berry plants, or else production has increased—probably a little of both. But the items that appear to be generally offered, or seem to be in quantity, are relatively few in number.

### THE PRESIDENT ON PRICES.

President Truman's campaign for voluntary price reductions, to prevent further wage demands and a resumption of the upward spiral of price inflation, has found a sympathetic attitude in businessmen. Every competent manager knows that the lower he can keep his prices, while operating at a profit, the larger are the sales opportunities.

Price reductions to indicate approval of the general policy have been made by such large corporations as the Ford Motor Co. and the International Harvester Co. Unquestionably, large firms will scrutinize their cost sheets to see if a saving exists to pass on to the public.

The President's statement that if prices are not reduced, wage increases will be justified, brought various response. Those industries which were the victims of exorbitant wage demands in recent months placed the responsibility for the present situation upon the size of the pay increases. Where that is the case, obviously there is little possibility of reduction in prices unless we are to

have profitless prosperity or unless production can be stepped up in order to reduce costs.

The current talk about a business recession, whether it comes or not, will undoubtedly bring prices down in cases where they have been too high. Toward the close of last year the luxury lines felt the end of the wild spending spree that followed the close of the war. Then consumers began to buy more carefully, avoiding the unknown brands and sub-standard merchandise which had been bought when nothing else was to be had. That care in buying has brought a consciousness of price.

Generalizations are dangerous to make, but it seems safe to say that good merchandise that is rightly priced finds ready buyers today, while the public is holding back in its buying where there is a feeling that prices have advanced too much or that merchandise is not of as good quality as it will be later.

The report on the opposite page would indicate that the present production of nursery stock is not such as to disturb the price structure in the face of the expected demand. Quotations compiled by A. A. N. headquarters from this spring's catalogs, however, show that concessions have been made in retail prices, probably where the unusual demand, and not production costs, were responsible for the higher figures.

### WHAT IS SURPLUS?

At this time of year begin to come through the mail mimeographed sheets, printed price lists and an occasional trade paper advertisement headed "Surplus list."

"Surplus" is a word that has got into the nurseryman's vocabulary with different implications under different circumstances. Sometimes a wholesaler uses it because he has stock in storage above the orders booked during the winter; it is really seasonable stock for current sale. Sometimes the word "surplus" is used in the offer of a mail-order firm which has found its contracts or purchases have brought more stock than is required for its customary retail trade; while that circumstance might justify the term "surplus," the stock is frequently offered so early in the season that it cannot be considered in the leftover category.

Offers of these kinds would be better termed "stock in storage" or  
[Concluded on page 12.]

# Which Way Nursery Stock Prices?

Influenced partly by discussion in the public press as to the effect of prices on consumer demand and partly by changing conditions within the industry, nurserymen have been giving thought of late as to the trend of their own prices. Opinion varies according to the view of current trade conditions, rather than on other circumstances.

Four years ago, when the American public began to respond to the victory garden program and nurserymen found a special demand for fruit trees and berry plants, the industry came out of the doldrums in which it had been thrust by the beginning of the war. Confronted by wartime conditions, nurserymen learned that labor was not only scarce but considerably higher in cost, while supplies of almost every kind had advanced in price rapidly. The succeeding seasons evidenced the industry's attempt to keep up with rising costs by increasing prices of nursery stock. This was easy to do in the case of food-producing plants because of the nation-wide acceptance of the victory garden program. Ornamental stock showed a considerably slower advance.

Thereupon history repeated itself. Price began to stimulate production, and the return of servicemen to their previous occupation at the war's close not only brought about increased operations by the larger nursery firms, but also the opening of many new units, some growing and some retailing. The demand for lining-out stock has been unabated, and at the present time most items in this category find a prompt sale with little regard for prices.

The trend toward increased production has brought to old-timers the recollection of their old bogey, overproduction and brush piles, with

their resultant financial losses. There is no question that the cycle of production is upward, but how far it has gone is a matter of debate, and particularly whether it is adequate in relation to prospective demand. For some time there have come warnings from various quarters about overproduction. The most conservative of those uttering the warning have emphasized that the individual nursery-

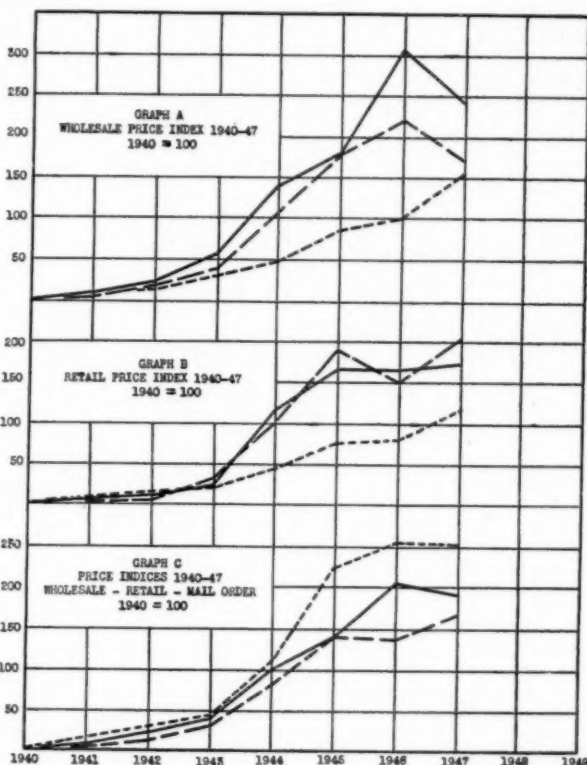
man should keep his production in line with his individual prospect for sales. Everyone wants to avoid production for speculation, for that is always productive of price cutting and actual cash losses.

Whether the extent of increased production has yet been such as to influence prices, for next season if not this, is another matter of debate. Those who are accustomed to see

farm products rise and fall in accordance with the current crop are the first to talk of pricing nursery stock lower in order to move the larger production. Those nurserymen who have experience in the retail field, particularly in real merchandising, believe that price is not the answer, nor is supply the only influence upon the quotations which may prevail.

Certain it is that the costs of production which were foremost in the minds of nurserymen in the years when prices were rapidly rising have become no less important in the bookkeeping of the industry today. If the costs remain high, prices must remain high unless the nurseryman is to forego profits and face eventual reverses. How high are costs depends upon the individual operator, the extent of his plantings, the labor-saving devices employed, the character of stock grown and local labor conditions. Generally speaking, the rate of production costs is still high, although efficient operations and expanded output may have made it possible to produce at a slightly lower cost per unit than during the wartime years.

Leading nurserymen do not wish to return to the times when prices of stock have been based on supply, rather than on the possible demand or upon value to the consumer. Those days were marked by a lack of confidence on



Summary of the 1947 analysis of catalog prices of nursery stock as presented in the above chart compiled in the headquarters office of the American Association of Nurserymen. Prices were taken from forty wholesale, thirty-seven retail and forty-seven mail-order catalogs. Items covered were standard apples, peaches, plums, sweet and sour cherries, standard varieties of raspberries, June and everbearing varieties of strawberries, three standard varieties of grapes, eight varieties of coniferous evergreens, three broad-leaved evergreens, seven deciduous shrubs, two hedge plants, six flowering trees and six shade trees. All data are taken from the spring catalog for this year.

In graphs A and B, the solid line represents price fluctuations of the standard fruits—apples, peaches, plums and cherries; the long-dash line represents price fluctuations in small fruits—raspberries, strawberries and grapes; the short-dash line represents the price fluctuations in the selected list of ornamentals enumerated above.

In graph C, the solid line represents price fluctuations in all stock at wholesale; the long-dash line, price fluctuations in all stock at retail; the short-dash line, price fluctuations in standard and small fruit stock only by mail order. Price analysis of ornamental stock in mail-order catalogs was not made until this year, and so this curve is not comparable to the curves for wholesale and retail price trends. As indicated in graphs A and B, prices of ornamental stock have not risen so high as that of fruit stock, and if included in the mail-order analysis, this curve would be reduced proportionately.



the part of nurserymen because they did not appreciate the true value of their own product and they failed to realize the strength of the public demand.

Return to those days would be as impossible as a return to the prewar dollar. The thinking nurseryman realizes that if he receives \$1 for an item today he gets little more than he did if he charged 50 cents for the same item before the war.

More than the change of the times, both in business thinking and in the monetary basis, accounting practices have brought home to growers of nursery stock sound reasons for an adequate price for their merchandise. They need to make capital expenditures for buildings, equipment and land in order to regain their prewar status in that regard; some of them have been living off their capital assets and inventories for several seasons. Nurserymen need to raise the scale of their labor, not only to keep up with the changing times, but to attract to the business the type of individuals which will be needed to meet the new opportunities. To do these things, the nursery firm must build up a balance sheet that will permit stabilization, rather than operate on the feast or famine basis of the old-time farmer.

Combined with the price outlook is the question of production. If prices cannot be maintained, should production be maintained? Is the prospective demand enough to maintain both?

In answering that question, one needs to separate the categories of stock. The victory garden program brought an extraordinary demand for fruit trees and berry plants, from home gardeners and farmers, though the orchardists were largely out of the market because of labor conditions. Hence it was to be expected, just as occurred, that when the war was over and food rationing was ended, the demand for food-producing plants would subside in part. As a matter of fact, the decline has been mild, and the current call for those categories of stock would have been of welcome proportions in years before the victory garden movement gained its momentum.

On the other hand, ornamental stock was not in such strong demand during the war, aside from mail-order sizes. Landscape planting crews were not obtainable, and many contracts for improvement of home grounds had to be deferred. Home building was at a low ebb. There is every reason to expect that the deferred home planting will keep landscape crews busy another season or two. Home

building is likely to accelerate in volume as building materials are more easily obtained, and that will particularly apply to the homes of the better type, calling for real landscaping jobs. Further, some nurserymen count on a renewed demand for ornamental stock for highway and institutional plantings, which have been neglected for six or eight years. Whether the production of ornamental stock in the past season or two has increased in the proportion to the anticipated demand is a moot question.

In the face of the optimistic long-term view, early spring demand has been found by some retail firms to lag behind expectations, and it is believed their efforts to dispose of stock at wholesale have caused apprehen-



Hiba Arborvitae.

sions as to the supply situation. Their disappointing sales volume is laid, in considerable part, to the unfavorable weather. Continued cold and wet weather has discouraged or delayed purchases by the public. That this seasonal occurrence does not affect long-term production is the contention of the less pessimistic.

Those who take the longer view and anticipate a demand for far larger quantities of nursery stock than have been grown in recent years look back two decades to the predepression days when there were many more firms with extensive acreage in northern Ohio, in western New York, in Illinois, in Kansas and elsewhere. The gray-haired members of the trade can recall names of nurseries which passed out of existence during the depression, and their successors have not arisen. Many new retail growers have sprung up, beyond question, but it would take a considerable number of these small units to match in aggregate the production of one of those big firms of the old days. Their view

is supported by reports of large wholesale firms that they themselves have few, if any, items in surplus.

Some students of the situation are more concerned with the ability of the industry to meet the prospective demand than with the problem of prices and production in this readjustment period. So many opportunities face the nursery industry in this country that they feel production should be a secondary question until we have developed merchandising methods and a real sales force. They would emphasize the value of our products to the public, by reason of the enhanced appreciation of our merchandise by gardeners and their better understanding of plants and their value.

After all, price is a comparative matter, and some thought should be given as to whether a dollar's worth of nursery stock affords the effective value, in enjoyment or in usefulness, of a dollar's purchase of some other commodity or service. Until we have done a real selling job with that consideration in mind, can we determine what is the limit of demand? Before that is attempted, much less accomplished, are not discussions of overproduction as an influence on prices premature? The debate engages the attention of leading nurserymen who are looking ahead.

#### INTERESTING CONIFER.

A small conifer, interesting because of its frond-like branches, is the thuopsis. Perhaps the best common name is Hiba arborvitae. It is not an arborvitae, even though it resembles that species so much that its generic name means "like arborvitae." It does not grow very rapidly, but its graceful foliage would make it suitable for the small garden whose only limitation is space. It would be of special interest to the collector of conifers, and it would add a new note to ordinary foundation plantings. It appears to require partial shade, a good soil and heavy mulching. It should succeed in the same situation where arborvitae can be grown. The plant illustrated has been used for years as a source for cuttings. If cuttings are taken in early winter, they can be potted in March; however, the plant is very slow to become established. Hiba arborvitae is quite common in some European gardens, and it is reported to grow to considerable size, but an annual increase of four inches in height is about all that can be expected in the middle west.

August P. Beilmann,  
Gray Summit, Mo.



# Can We Replace the Elms?

By R. Morgan Smith

There is considerable discussion at present among nurserymen about hardy deciduous trees. One of the questions is what are we to use in place of the elms, which have been our mainstay for years? With serious diseases like phloem necrosis and Dutch elm disease threatening to eliminate this leading tree, with no immediate hope of relief, nurserymen are becoming truly alarmed over the situation, and some are curtailing not only the planting, but even the propagation of this genus, and are trying hard to decide on what particular tree or trees to use in its place.

At one time the American elm was the principal species planted for street and lawn use. Then came the Chinese and Moline elms. Being of faster growth, they immediately became popular, and it was conservatively estimated that for every American elm planted there were ten Chinese elms set out. It took but a few years, however, to discover the shortcomings of this species. In some sections where low temperatures prevailed they winterkilled; in others they failed to withstand strong winds and heavy sleet. There has also been some objection to the small foliage.

Because of its rapid growth, the Chinese elm needs frequent heading back in order to make it dense and shapely and more resistant to windstorms. As trimming is often neglected, many trees become too spreading and straggling. For these various reasons the Chinese elm has failed to hold its popularity as a landscape tree. It is the opinion of many nurserymen that it is just a temporary tree, that should not be given a permanent place in the landscape or depended upon too strongly.

The Moline elm filled a long-felt want. While it is upright in habit, it branches out sufficiently to make considerable shade, something not obtained from fastigiate trees. It is regrettable that the Moline elm is susceptible to phloem necrosis, according to reports. The Chinese elm is somewhat more resistant, but, nevertheless, all varieties of elms are succumbing to this disease regardless of age or vitality.

Elm phloem necrosis has been ravaging trees through a broad belt from the eastern United States to as far west as Texas and seems to be working north in Ohio, Indiana, Illinois and other states.

At present there is no known cure

or check for it, and all our conservationists can do is to try to prevent its spread by destroying any diseased trees. A few specimens have been found to be immune, and an endeavor to develop resistant strains from these trees is now under way.

In some communities the elm has been planted almost exclusively, especially as a street tree. In Kansas City eighty per cent of the trees there are elms, and phloem necrosis has already destroyed thousands of them. This might happen in any city, and it is now considered the wise thing, in planting trees, not to go in too strongly for any particular variety, in order to avoid becoming treeless in case of an epidemic.

With the elm tree's future questionable, nurserymen are naturally considering other genera.

But what about the nurseryman who is not in the infected belt? His trees are healthy and for sale, and many people who know nothing about these tree diseases still want elms. There is no law prohibiting their sale or planting, and who knows but that by some sudden whim of nature the disease may cease or perhaps never go beyond certain limits. Probably the best thing to do at present is to grow fewer elms and to plant them sparingly, so distributing them that in case this genus is wiped out, no property will be left without trees.

The following trees, while not new, have been recommended by several prominent authorities.

The thornless honey locust, *Gleditsia inermis*, seems to stand in great favor. It is fast-growing and graceful. It makes good shade, but not so much that it kills out everything growing beneath it. It is free from disease and withstands wind and sleet. It is a good street tree, and as a lawn specimen, it is unexcelled. It transplants with more difficulty than an elm, however, because of a succulent root system. Many prefer moving it with a ball; others like to dig it with copious bare roots and head it back severely. While the flowers are attractive, some object to the pods that follow, but, on the whole, it is a very satisfactory tree.

Hard maples have always been favorites for lawn or street planting. The Norway maple, *Acer platanoides*, while not native, does splendidly in a cold climate. In northern Illinois it will outgrow the sugar maple, *Acer*

*saccharum*, while in southern Ohio it is just the reverse. The main fault of the hard maples as lawn trees is the dense shade they make. It is difficult to make grass or plants thrive under them. This can be remedied somewhat by feeding and by keeping them trimmed up and thinned out.

Another good maple is *Acer rubrum*, red maple. It has a clean gray bark and colors up beautifully in fall.

*Acer platanoides schwedleri*, purple Norway maple, is desirable, although slow in developing. Its purplish leaves in early spring brighten the landscape, although some persons object to this foliage, saying it is a fall coloring coming in spring.

Everyone admires oaks, but few plant them because they grow so slowly. Well, some of them are not so slow. *Quercus rubra*, American red oak, makes a remarkably fast growth. Its shiny foliage is handsome and colors red in fall. Its clean bark and sturdy framework are admired, even when bare in winter. It is one of our finest trees.

*Quercus palustris*, pin oak, is another fast grower, and it takes kindly to cultivation. Owing to its pendulous habit, it makes a fine lawn tree, and it colors up well in fall. Trimming off the lower branches greatly detracts from its beauty. It is native to many sections. In southern Ohio, you can see it growing wild along the fence rows. There are also many other good oaks that should be grown. You are certainly not doing a customer a disfavor when you sell him an oak and, incidentally, you are planting for posterity.

The Ginkgo biloba, maidenhair tree, is a remarkable tree. It is slow-growing, to be sure, but even when young is interesting and attractive. It is called the oldest tree on earth and is free from insect pests and withstands unfavorable city conditions. Care should be taken to grow only male trees, as the ill-smelling drupes are objectionable.

The tulip tree, *Liriodendron tulipifera*, is a rapid grower. It is sometimes called the yellow poplar. It has a peculiar fiddle-shaped leaf, which turns a clear yellow in autumn. A remarkably clean and fine-looking tree, it belongs to the magnolia family and its tuliplike flowers are always an attraction.

The hackberry, *Celtis occidentalis*, is one of our native trees that belongs

to the elm family and probably resembles the elm more than any other tree. Its chief objection is the witches'-broom which infests so many of these trees, caused by a fungus. The hackberry will grow almost anywhere, makes quite rapid growth and, having a fibrous root system, transplants readily. This tree should be used more than it is now.

The sweet gum, *Liquidambar styraciflua*, while rather slow in growth, is one of our most attractive trees. Its star-shaped leaves, which turn a brilliant red in fall, give it a striking appearance. It also has an interesting corky bark. It is a good street or lawn tree.

The small-leaved linden, *Tilia cordata*, is another splendid street and lawn tree. It is narrow and pyramidal in habit, with dark green foliage.

Fast-growing trees are always in demand. Many persons want quick shade and have no patience with a tree that grows slowly. One of the best and an old stand-by is the soft maple, *Acer dasycarpum*. This tree is quite handsome, especially when young, and while it is likely to break in violent storms, this generally occurs when the tree becomes large with heavy limbs. By growing silver maples without forks and heading them back when young, you produce a more resistant tree. This variety is supposed to live to the ripe old age of 70 years. It is certainly a better tree than the Chinese elm, although it may not grow so fast.

It is quite common practice to plant fruit trees on the home grounds, especially in the rear area. Often the lot is small, and soon the fruit trees get out of bounds. It has been suggested that some nut trees be planted in place of some of the fruit trees. The new grafted varieties of pecan, walnut and chestnut are hardy in many localities and are not only ornamental, but are long-lived and prolific.

At a recent meeting of Indiana nurserymen it was stated by one of the speakers, J. W. Summerlot, a nurseryman of Coal City, that many of us are making the mistake of planting large-growing trees on small home grounds. These trees, on becoming mature, monopolize the soil with their root systems and cause such dense shade that nothing else can grow near them, with the result that only bare ground exists around the trees. You cannot have a lawn or a thrifty landscape planting under such conditions, and he advocated the use of fastigate trees in place of these large trees. As we have a number of good fastigate trees available, it may be a sensible thing to

follow this advice, as we all know that these conditions exist and make a serious problem in landscaping.

Since all houses are not alike, the trees selected for their embellishment should suit the architecture. Many of the new houses being designed call for special treatment. A good many are modernistic. As people are becoming interested in new and unusual features in houses, likewise will they be receptive to new and unusual trees; so it is up to the nurseryman to get away from some of his old ideas and habits and try to interest the public in some newer types of plant material.

### TREES TO REPLACE ELM.

Facing the problem of planting other species than the American elm in streets and parkways, because of



I. H. Bass, Jr.

the threat of phloem necrosis and Dutch elm disease, the March issue of the bulletin of popular information of the Morton Arboretum, Lisle, Ill., discussed a number of trees best suited to be planted as substitutes.

The April 11 issue of *Arnoldia*, a continuation of the bulletin of popular information of the Arnold Arboretum, Jamaica Plain, Mass., was devoted to advice in caring for elms in Massachusetts in order to ward off the Dutch elm disease. The final page contained a list of ornamental trees for planting on parkways or private property, including a number of flowering crabs and some evergreens.

HANSEN BROS. NURSERIES, INC., has filed articles of incorporation at Norristown, Pa.

### I. H. BASS, JR.

The largest pecan nursery in the world, the Bass Pecan Co., Luberton, Miss., is the firm behind I. H. Bass, Jr., recently elected president of the Mississippi Florists' and Nurserymen's Association. Founded in 1908 by his grandfather, I. E. Bass; his father, I. H. Bass, Sr., and his uncle, Admiral I. E. Bass, of the United States Navy, the firm now operates 18,000 acres, of which 1,500 are planted in orchards and nurseries, and in which over 2,000,000 trees are growing at all times. In addition to the large number of pecan trees, a limited amount of other nursery stock, especially fruit trees, is produced each year for wholesale and retail sale.

I. H. Bass, Jr., was born in 1914 and graduated from Mississippi State College in 1936. Interested in nursery work since his childhood, he became associated with his father in the business immediately after his graduation. In 1937 he married Edith Brown, of Jackson, Miss., and now has two sons, aged 8 and 3. Mr. Bass has been active in the Mississippi Florists' and Nurserymen's Association since 1939 and has served on various committees and as vice-president since that time.

### NEW INDIANA ASSOCIATION.

Nurserymen of the St. Joseph valley area in Indiana have organized the St. Joseph Valley Nurserymen's Association. Aims of the association were clarified at a meeting in the home of Harvey Rohr, South Bend, March 21, and bylaws were discussed April 15 at a meeting at the Vrielynck nursery, Mishawaka.

Aims of the St. Joseph Valley Nurserymen's Association are: Promotion of more harmony among nurserymen; protection of the general welfare of members of the trade; the raising of standards of nursery stock; protection of nurserymen against unreasonable laws; protection of the public from unfair practices and inferior nursery stock, and promotion of interest in making the St. Joseph valley more beautiful.

WET weather has not only slowed retail sales of nursery stock in the southwest, but has delayed wholesale growers in their digging. The Willis Nursery Co., Ottawa, Kan., reports being many carloads behind in evergreen digging in April. In spite of this, sales volume is away ahead of last year, though operating expenses are keeping pace.

# Annual Bluegrass for Nursery Rows

By Arthur E. Luedy

Occasionally, excellent gardening ideas come to us unexpectedly and seemingly quite by accident. We may, in trying to make a virtue of necessity, discover we are finally co-operating with what has all along been a definite plan of nature. One of these definite aims is to keep a mantle of some sort over the earth, and the following has been our experience with one such cover, annual bluegrass. Some twelve years ago, we regarded this grass as a pest in our fields, but today we have a different feeling entirely.

Annual bluegrass, *Poa annua*, originally came from Europe, but it is now found throughout the United States. It is an abundant seeder, but seeds must be harvested by hand, as it makes such a short growth. It thrives in the winter months on moist, rich soil; in the heat of summer it yellows and dries up. It is shallow-rooted and is easily hoed off the surface of the ground, but makes a dense turf and is often used in the shade. In the south it is frequently used for putting greens.

The soil of our nursery is bottom land, deep and rather heavy. It grew good corn for a long time before being used for nursery stock. At first we grew perennials on this particular piece of ground, and of course, intensive cultivation was then required. For a number of years, after cultivation ceased in fall, we would wind up with a good crop of chickweed, which was a great nuisance, since it sprawled over the tops of small plants and often covered them completely. Consequently we cultivated exceptionally late in the fall, with the idea of eradicating the chickweed. It was after this that we began to notice a short, light green, narrow-leaved grass growing here and there in the rows. At first we did not know what it was, but as it persisted and spread, we identified it as *Poa annua* and began to learn its merits. We found it to be one of nature's means of healing over the earth and beneficial in other ways.

The piece of land with which we first experimented has a slight slope with the rows, and since we could not change the direction conveniently, we had some erosion with the spring rains. Now that we have encouraged this grass to grow there has been no wash, and furthermore, in a wet season the plants do not

heave. There are also other benefits. It gives a good thick coverage over the entire winter months, when we need it most, and also a good crop for plowing under the following spring. This sod plowed under has continued to improve the tilth of our soil. The grass makes a neat appearance in the fall and spring, when we sell most of our plants; it makes a fine path to walk on when the weather is wet and we have to dig, and it helps to keep weeds out. We especially like it in our fields of evergreens, where we can dig much earlier in the spring and later in the fall.

Knowledge of the life cycle of annual bluegrass will govern the method of handling. It usually goes to seed here in northern Ohio the first part of May. We make it a practice never to start cultivating until it has seeded itself, usually the latter part of May and after our spring nursery rush. Even though occasionally we are not able to do our cultivating until late in June, this grass never grows beyond control because it is then on the ebb, whereas other covering vegetation would become progressively worse. The first cultivating is done with a tiller set about six inches deep. We go up and down each row and keep as close as practicable to each row of plants. This scatters and mixes the seeds thoroughly with the soil, and enough seeds stay near the surface to give a good stand the following fall. After the first tilling we

hoe the small strip of grass left between the plants into the rows (hoeing two rows into the same aisle) and till over the aisle again. This leaves a clean, loose field to be worked with the regular cultivator the rest of the summer. When the grass sprouts again in September, we stop cultivating.

At best, nursery crops are hard on any soil. Fertility is depleted by growing plants in the same location from two to five and even ten years, and then we take a large part of our best soil away when we dig and sell the nursery stock. In the winter, where our fields are open to the ravages of the elements, still more of our good soil is washed and blown away. Unless we can replenish fertility and hold the soil, we are obliged to search for new land to continue our business, because soil that takes six years to grow a crop that a neighbor can raise in three or four years is no longer profitable. Along with a program of fertilizing, it is necessary to grow some kind of cover crop in our fields, and here, I think, annual bluegrass can fill a long-felt need. It puts our nursery plants to bed and tucks them in for the winter better than any other method we have found, and since we have not heard before of annual bluegrass' being used in nursery practice, we pass on the above information with the hope that it may prove as beneficial to others as it has to us.



Annual Bluegrass as Winter Cover Crop in Nursery, Snow Showing as White Patches.



# Prize Designs of Small Home Grounds

The prize-winning designs for small home grounds which are being reproduced in current issues are studied by readers of the magazine from different points of view, chiefly according to their familiarity with the plant materials in the zone for which a given design is prepared. Some of the designs arrange the lawn, gardens and plantings about the house in a form that would be adaptable to more than one zone, in some cases to all zones. So the ideas presented in the architectural treatment can be studied aside from the plant materials employed.

If you are familiar with the plant materials in the zone for which the design has been prepared, further study is especially helpful. In some cases there will be differences of opinion as to the best trees and shrubs to

be used, or as to possible substitutes. There may be other plants that are more easily obtained in your locality, and some that are greatly to be preferred on account of local conditions. The reader may get new ideas from these designs, or he may study them chiefly with regard to adaptability to his area of business operations.

On the opposite page appears the plan of J. Sloat Welles, Jr., Los Angeles, Cal., for a modern style house in zone 5. This is the third of the plans to receive an honorable mention. Prior to the April 1 issue were presented designs which won first prizes in the regional competition for designs of small home grounds sponsored by the American Nurseryman and the National Landscape Nurserymen's Association.

Zone 5 includes the state of Florida

and the southern portion of the other states bordering on the Gulf of Mexico, as well as the coastal strip in the southern half of California.

The competition covered homes and grounds for average young to middle-aged American families in an average suburban residential community. The modern style of home was to be located on a flat lot, 70x150 feet, the house to be placed no nearer than twenty feet from the street or nearer than ten feet from side lot lines. The drive was to come from the front to the garage attached to the house. Provision was specified for an area for lawn games, possibly a few fruit plants and a vegetable garden not to exceed 600 square feet.

The comments of the designer of the plan presented on the opposite page appear below.

## MODERN STYLE HOUSE, ZONE 5.

The modern style of architecture is well suited to the warmer climates. With this style of house it is so easy and economical to take full advantage of the wonderful climate in zone 5. The large area of window glass in the modern house helps to bring the garden and house into one unit. Thus the beauty of flowers and shrubs can be enjoyed the year around from the inside as well as the outside of the house.

The lath house helps enclose the patio, making it into an outdoor living room. For shade from the midday sun, a Chinese elm is planted at one corner of the patio. It softens the corner of the lath house and provides an interesting shadow on the stones of the patio. The flower box on the east side of the patio can be a constant source of bright colors to be viewed from the inside hallway as well as the patio. In the adjoining lath house one can grow tuberous-rooted begonias or cymbidium orchids with no extra trouble. Hanging baskets of fuchsias or species orchids (depending on one's budget) will help make this feature of the home an interesting part of outdoor living. A fireplace for barbecues is included here.

## BY J. SLOAT WELLES, JR., LOS ANGELES, CAL.

The game area is adjacent to the outdoor living room. Here ample space has been provided for badminton and croquet. A hedge encloses this area, giving privacy from the outside of the lot.

The orchard, which is kept cultivated, is separated from the lawn area by a medium-size hedge of the interesting yesterday, today and tomorrow shrubs. This evergreen has an abundance of white and blue flowers several times each season. It looks best when planted in a mass. The grape arbor adjacent to the orchard serves as a passageway from the living area to the vegetable garden. The garden and laundry yard are enclosed by an ordinary wire fence, which also acts as a support for evergreen vines. This inexpensive screen is useful where space is limited.

For greater comfort the laundry yard should be paved. This eliminates more area in grass, thereby saving the time and expense of keeping it watered, fed and mowed. Some tall specimens of hibiscus screen the service area from the street. The predominance of evergreens and the maple tree in the front yard assure restful out-of-door surroundings the year around. J. Sloat Welles, Jr.

## WHAT IS SURPLUS?

[Concluded from page 6.]

"stock for immediate shipment" or "wholesale offer."

While the term "surplus" is used casually by the sellers, particularly in these times, it has a connotation with the brush pile in the minds of many buyers, and they look for cut prices for clearance.

In recent seasons there has been little reason to cut prices at any time to move stock. How far to go in attempting to obtain a complete sell-out at the end of the season is a matter of debate among wholesale

nurserymen, particularly if it is achieved by price cutting. The amount of stock moved by a slash of quotations is a small percentage of that moved at regular prices during the season, but the effect of that small quantity of cut-rate stock on the market, on customers and on the trade in general is out of all proportion.

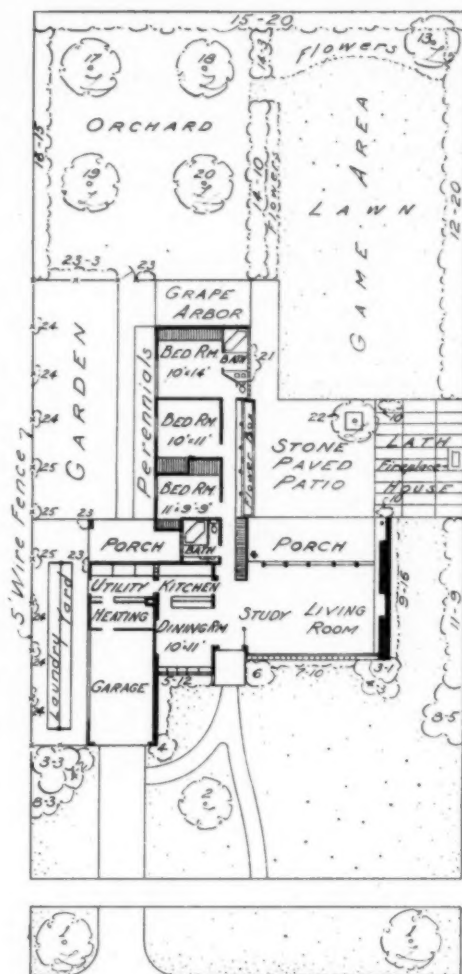
Usually about the same amount of stock would have been sold at firm quotations anyway, without the disturbing effect mentioned. At any rate, it would seem the wiser course to put more effort into merchandising stock at the end of the season, wholesale

as well as retail, rather than just to cut prices. If that course were adopted, "surplus" is a word which might be dropped from its present use in connection with wholesale offers of nursery stock.

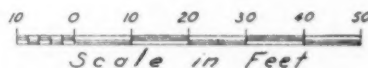
W. J. BOOTON has purchased the H. S. Morgan Nursery, Oklahoma City, Okla., which he will operate as the Booton Nursery.

FORMERLY proprietor of Garden Tree Experts, Toronto, Canada, R. T. Johnson has established Johnson's Nurseries, at Kingston, Ont., Canada.





## MODERN



## PLANTING LIST

KEY -	BOTANICAL NAME	-	COMMON NAME
1	<i>Magnolia grandiflora</i>		Southern Magnolia
2	<i>Acer oblongum</i>		Evergreen Maple
3	<i>Hibiscus, American Beauty</i>		Hibiscus, single crimson
4	<i>Duranta stenostachya</i>		Brazil Skyflower
5	<i>Rhynchospermum jasminoides</i>		Star Jasmine, trimmed low
6	<i>Raphiolepis ovata</i>		Round Leaved Yeddo
7	<i>Myrsine africana</i>		African Box
8	<i>Hypericum patulum henryi</i>		Henry's Golden Cup
9	<i>Agapanthus africanus</i>		Lily of the Nile
10	<i>Tecoma jasminoides</i>		Australian Bower Plant
11	<i>Nerium oleander</i>		Oleander, white
12	<i>Pittosporum undulatum</i>		Victoria Box
13	<i>Jacaranda acutifolia</i>		Jacaranda Tree
14	<i>Brunfelsia floribunda</i>		Yesterday, Today, & Tomorrow
15	<i>Plumbago capensis</i>		Blue Plumbago
16	<i>Osmanthus fragrans</i>		Sweet Olive
17			Fuerte Avacado
18			Robertson Naval Orange
19			Peach
20			Eureka Lemon
21	<i>Pyrus kawakami</i>		Evergreen Pear, espaliered
22	<i>Ulmus pumila</i>		Evergreen Chinese Elm
23	<i>Vitis rombifolia</i>		Evergreen Grape
24	<i>Passiflora pfordi</i>		Passion Vine, purple
25	" <i>manicata</i>		" " red

## AMERICAN ASSOCIATION OF NURSERYMEN

**RICHARD P. WHITE,**  
EXECUTIVE SECRETARY



636 SOUTHERN BLDG.,  
WASHINGTON, D. C.

### A. A. N. ACTIVITIES.

#### Shipping Manual.

Current activities of the American Association of Nurserymen include the issue of a booklet, "Nursery Stock Shipping Manual," a copy of which has been mailed to each member of the association. Included in the 16-page manual is information on federal and state quarantines, state regulations and state regulatory officials.

#### Fruit Budwood Program.

In the field of public relations, a news story on the cooperation of the association with many states in virus disease elimination from stone fruits, recently issued by the public information office, was widely used. Mimeographed copies of the statements of officials of Michigan, New York, Washington and Oregon concerning their activities in the control of virus diseases of stone fruits and their budwood certification programs were prepared for distribution to officials of other states and to interested persons.

The public relations counsel, Verne Burnett Organization, New York city, is compiling results of a membership survey which will indicate definite trends as to what members want in a trade promotion and public relations program. The questionnaire asked for members' opinions on general selling appeals, types of plantings and national and community campaigns to be stressed, methods of building public recognition of the A. A. N. reputation and symbol and methods of repudiating unfavorable public opinion of the industry.

#### Quarantine Memorandum.

The memorandum in support of S-338, a 7-page mimeographed bulletin and summary, gives reasons why the American Association of Nurserymen believes it is urgent that the plant quarantine act of 1912 be amended by the bill now before Congress if American agriculture, horticulture and forestry are to be adequately protected from further losses due to the importation of plant pests, both insect and disease. If enacted into law, the amendment

will give the Secretary of Agriculture authority to limit the quantities of nursery stock that may be imported to that needed for propagation purposes and to require that those plants that are imported be grown under whatever postentry requirements he may deem necessary in order to insure pest freedom.

Up to 1943, it was assumed that the regulation of the importation of nursery stock provided for by the plant quarantine act of 1912 included the limitation of the quantities that could be imported under permit, on the theory that to increase quantities of plants moving into this country would automatically increase the pest risk. This regulation was revoked in 1943 as the result of an opinion by the then solicitor of the United States Department of Agriculture, to the effect that the plant quarantine act of 1912 did not provide statutory authority to limit quantities.

The Senate passed the bill April 21 after the committee on agriculture and forestry April 16 favorably reported the bill without the customary public hearings. The committee proposed an amendment to include bulbs along with nursery stock. While this may cause some opposition by the State Department, that does not necessarily follow. The bill merely would authorize the Secretary of Agriculture to impose quantity limits and would not direct him to limit the importation of bulbs. House Bill HR-2773 includes bulbs in its provisions.

### CONVENTION PLANS.

Meeting arrangements for the executive committee and the various subsidiary organizations of the American Association of Nurserymen have been made for its seventy-second annual convention, July 21 to 24, at the Hotel Statler, Boston, Mass. The executive committee will meet each morning at 9 for four days, July 17 to 20, preceding the opening of the convention, and again, July 25, after the convention has closed.

Included among the groups which will meet are the National Landscape Nurserymen's Association and its executive committee; All-America Rose Selections, and a special gath-

ering of the secretaries of the state and regional nurserymen's associations, who will discuss methods of achieving cooperation among associations and with the national group. Commercial exhibits will be set up in the foyer of the ballroom, where the general meetings of the American Association of Nurserymen will be held.

Social activities of the convention will center around the "Clam Diggers' Den," primarily a gathering place for nurserymen and their friends. A junior party, featuring dancing and soft drinks, has been arranged for Monday evening, July 21, and the younger people attending the convention will have an all-day beach party the following day. Under the direction of Mrs. Helen Cascio, West Hartford, Conn., the ladies' auxiliary will meet Tuesday at luncheon and Wednesday, with the juniors, will visit historical sites around Boston, at Concord and Lexington, with luncheon at the Wayside Inn at Sudbury. The men will visit the Arnold Arboretum, Jamaica Plain, Wednesday afternoon, and all those attending the convention will take a boat trip aboard the S. S. Pilgrim Belle Tuesday evening.

### ARBOR DAY ANNIVERSARY.

The diamond anniversary of Arbor day, a national observance looking to the future rather than the past, was celebrated during April in most states of the country with appropriate tree and shrub-planting ceremonies. First proclaimed in Nebraska, April 10, 1872, at the instance of Julius Sterling Morton, the observance of Arbor day has spread to every state in the Union and to many foreign countries. In many states it is now a legal or school holiday.

The seventy-fifth anniversary of the observance of Arbor day was marked by a statement from President Truman urging care and protection in the management of the nation's forests. Because forest products are necessary to the continued progress and prosperity of the nation, President Truman urged the building up of timber growth and the elimination of destructive cuttings and unwise depletion so that an adequate supply will be assured.

J. Sterling Morton realized the importance of essential forest products to the growth of the nation as early as 1854, when he began planting trees and shrubs about his Nebraska homestead. Hoping to alleviate the barrenness of treeless prairies as well as to provide the tim-

[Concluded on page 27.]

## GRAPES

	Per 100	Per 1000
<b>Agawam, purplish-red</b>		
2-year, No. 1.....	\$18.00	\$150.00
1-year, No. 1.....	14.00	120.00
<b>Caco, red, best quality</b>		
2-year, No. 1.....	20.00	.....
1-year, No. 1.....	16.00	.....
<b>Catawba, purplish-red</b>		
2-year, No. 1.....	18.00	150.00
1-year, No. 1.....	14.00	120.00
<b>Concord, large, black</b>		
2-year, No. 1.....	15.00	125.00
1-year, No. 2.....	7.50	65.00
<b>Delaware, light red</b>		
2-year, No. 1.....	20.00	180.00
1-year, No. 1.....	16.00	140.00
<b>Fredonia, new, early, black</b>		
2-year, No. 1.....	18.00	150.00
1-year, No. 1.....	14.00	120.00
<b>Golden Muscat, golden-yellow</b>		
2-year, No. 1.....	60.00	.....
1-year, No. 1.....	45.00	.....
<b>Moore Early, black</b>		
2-year, No. 1.....	20.00	180.00
1-year, No. 1.....	16.00	140.00
<b>Niagara, yellowish-green</b>		
2-year, No. 1.....	18.00	150.00
1-year, No. 1.....	14.00	120.00
<b>Worden, black, early</b>		
2-year, No. 1.....	18.00	150.00
1-year, No. 1.....	14.00	120.00

## BLACK LOCUST SEEDLINGS

(Robinia Pseudoacacia)

For Windbreaks, Screens, Woodlots, Shelterbelts, etc.

	Per 100	Per 1000	Per 5000
2 to 3 feet.....	\$3.00	\$25.00	\$100.00
18 to 24 inches....	2.50	20.00	75.00
12 to 18 inches....	1.75	15.00	50.00
6 to 12 inches....	1.25	10.00	40.00

## BOSTON IVY

	Per 10	Per 100
2-year, No. 1.....	\$3.50	\$30.00
(\$270.00 per 1000)		
2-year medium.....	2.90	25.00
(\$220.00 per 1000)		
1-year seedlings.....	.65	5.00
(\$40.00 per 1000)		

## SHRUBS

In storage; immediate shipment.

	Per 10	Per 100
<b>Almond, pink-flowering,</b>		
18 to 24 ins.....	\$4.00	\$35.00
<b>Althaea, pink, 18 to 24 ins.</b>	2.50	22.00
<b>Barberry, thunbergi,</b>		
15 to 18 ins.....	2.50	22.00
<b>Crape Myrtle, pink,</b>		
18 to 24 ins.....	2.50	22.00
<b>Crape Myrtle, purple,</b>		
18 to 24 ins.....	2.50	22.00
<b>Crape Myrtle, white,</b>		
18 to 24 ins.....	2.50	22.00
<b>Deutzia Gracilis,</b>		
9 to 12 ins.....	1.90	16.00
<b>Deutzia Pride of Rochester,</b>		
12 to 18 ins.....	1.90	16.00
<b>Forsythia fortunei,</b>		
12 to 18 ins.....	1.90	16.00
<b>Honeysuckle fragrantissima,</b>		
12 to 18 ins.....	1.90	16.00
<b>Philadelphus coronarius,</b>		
12 to 18 ins.....	1.90	16.00
<b>Prunus besseyi, 18 to 24 ins.</b>	2.50	22.00
<b>Prunus besseyi, 12 to 18 ins.</b>	1.90	16.00
<b>Spiraea vanhouttei,</b>		
18 to 24 ins.....	2.10	18.00
<b>Vitex macrophylla, 2 to 3 ft.</b>	4.50	40.00
<b>Vitex macrophylla,</b>		
18 to 24 ins.....	3.50	30.00
<b>Vitex macrophylla,</b>		
12 to 18 ins.....	2.50	22.00
<b>Weigela rosea,</b>		
12 to 18 ins.....	1.90	16.00
<b>Salix irrorata (Blue Stem Willow), 3 to 4 ft.</b>	4.00	35.00
<b>Salix irrorata (Blue Stem Willow), 2 to 3 ft.</b>	3.50	30.00
<b>Salix irrorata (Blue Stem Willow), 18 to 24 ins.</b>	2.50	22.00
<b>Salix discolor (Pussy Willow), 3 to 4 ft.</b>	4.50	40.00
<b>Salix discolor (Pussy Willow), 12 to 18 ins.</b>	1.40	12.00

## EARLY HARVEST BLACKBERRIES

	Per 100	Per 1000	Per 5000
<b>Root-cutting plants</b>			
No. 1.....	\$4.50	\$40.00	\$187.50
No. 2.....	3.50	30.00	137.50

## CURRANTS

	Per 100	Per 1000
<b>Cherry</b>		
2-year, No. 1.....	\$18.00	\$150.00
2-year, No. 2.....	14.00	120.00
<b>Fay's Prolific</b>		
2-year, No. 1.....	18.00	150.00
2-year, No. 2.....	14.00	120.00
<b>Red Lake</b>		
2-year, No. 1.....	22.00	200.00
2-year, No. 2.....	18.00	160.00
<b>Wilder</b>		
2-year, No. 1.....	18.00	150.00
2-year, No. 2.....	14.00	120.00

## PEONY L'ESPERANCE

Light pink, medium size, double flower, very early.

A good Memorial day variety.

\$2.40 per 10; \$20.00 per 100;  
\$150.00 per 1000.

## PAUL'S SCARLET CLIMBER

Strong 2-year, No. 1, field-grown,

\$6.50 per 10; \$60.00 per 100;

\$500.00 per 1000.

30 at 100 rate; 300 at 1000 rate.

## RHUBARB ROOTS

Per 100 Per 1000  
Ruby Red, strong divisions \$30.00 \$25.00

<b>Victoria, whole roots</b>		
2-inch and up,		
extra-heavy.....	10.00	90.00
1 1/2 to 2-inch.....	8.50	75.00
1 to 1 1/2-inch.....	6.00	50.00
3/8 to 1-inch.....	4.50	40.00
1/2 to 3/8-inch.....	3.00	25.00

# THE WILLIS NURSERY CO.

Progressive Nurserymen  
OTTAWA, KANSAS



# Plant Boards Meet at Des Moines

Methods of preventing the introduction of and controlling insect and disease pests were discussed at the annual meetings of the central and national plant boards held recently at Des Moines, Ia.

The Central Plant Board, consisting of the officials in charge of plant quarantine and regulatory work of the thirteen north central states, met March 24 and 25. In addition to the state entomologists, the federal bureau of entomology and plant quarantine, the American Association of Nurserymen and leading commercial nurseries were represented. Dr. W. A. Price, Lexington, Ky., is the new president of the Central Plant Board, and Dr. J. A. Munroe, Fargo, N. D., was reelected secretary-treasurer.

Subjects of particular concern to nurserymen in the central region were dealt with, including the recent revocation of the federal Dutch elm disease quarantine; the need for greater uniformity in nursery regulations; the importance of quarantines and other plant pest precautions being established on sound biological bases; the increased pest risk involved by the recent establishment of inland ports of entry for airplanes arriving from overseas, and the need of regulation of aircraft and other large-scale equipment engaged in the application of insecticides, herbicides and fungicides.

Difficulties are still being experienced in the grain states in eradication of the species and varieties of barberry which serve as hosts for the stem rust disease of wheat, oats and barley, although real progress was reported by the federal department in eliminating such varieties from nurseries in the nineteen states comprising the control areas as well as from those in other states. The obvious but most drastic solution suggested was a prohibition against any shipments of seeds into the regulated states and more control over liner stock. It was also suggested that a solution could be found in registered seed sources, a plan which would not interfere so drastically with the trade, but which would insure rust resistance of seeds and seedlings. It was reported that in the nineteen states where barberry eradication is conducted for the control of rust of wheat, twenty-one per cent of the properties being reworked shows reinfestation, and the situation will grow increasingly worse unless the

work is adequately supported by federal and state funds.

Although the white-fringed beetle quarantine was recently extended to include Georgia, and an infested spot in South Carolina has been placed under close observation, these are new findings, traceable to one infested nursery at Macon, Ga., and they do not represent a spread from other known infested areas. Locations of both sales and purchases of the infested nursery are to be further inspected in 1947, to determine any other isolated spots of infestation and also to determine, if possible, the original source of the infestation at Macon.

Each state member of the Central Plant Board reported progress on programs leading to budwood certification of stone fruit nursery stock, now being encouraged by the A. A. N. Because the stone fruit nursery stock distributed in Illinois is practically all purchased outside the state, no virus disease program is contemplated. Purdue University, in Indiana, is doing some indexing of budwood sources this year, particularly with reference to the cherry yellows disease. Iowa, Ohio, Minnesota and Missouri contemplate the initiation of some sort of program in 1947. Kentucky and Nebraska have expressed interest in the program, although no action has been taken. The well planned program of budwood indexing which has been in operation for some years in Michigan will be continued. In Wisconsin, budwood sources are already being indexed, and a grant of \$7,500 for a 2-year research program on stone fruit virus diseases is available.

New quarantines and revocations reported for the year were as follows: Kansas, new quarantine on internal cork disease of sweet potatoes; Kentucky, quarantine on European corn borer revoked and nursery law amended so that out-of-state nurserymen and agents are no longer required to pay license fees; Michigan, strawberry plants must be certified to have received two field inspections for red stele disease, and South Dakota, bulbs now included in classification of nursery stock.

Resolutions adopted by the Central Plant Board favored the following: Amendment to federal quarantine 37 now contained in S-338; the compilation of a guide for the inspection of strawberries and gladioli; a permanent committee in the National Plant Board to make a thorough

study of the blister rust control project; more investigational work on the vectors of viruses causing diseases to plants; planning for budwood certification and the establishment in the central region of one or more centers to provide growers with virus-free budding stock, and federal funds for the execution of a nationwide coordinated federal-state cooperative crop insect pest and plant disease information service. Summer meetings of the type held at Shenandoah, Ia., last August, when several members of the Central Plant Board accepted the invitation of the Iowa Nurserymen's Association to meet as special guests at its annual summer meeting, were approved, and the officers of the board were urged to arrange such a meeting for the ensuing summer.

## National Plant Board.

At the meeting of the National Plant Board, March 26 and 27, it was the consensus of members that the recent revocation of the Dutch elm disease quarantine was probably justified, on the ground that it cannot be established on a sound biological basis. The group urged the strengthening of measures aimed at preventing the further introduction of pests.

E. R. Sasser, chief of the division of foreign plant quarantines of the United States bureau of entomology, discussed the importance of intercepting pests in shipments at the point of origin instead of at the point of entry, as at present. He suggested Puerto Rico in the Atlantic and Midway in the Pacific as strategic points for airplane inspection and decontamination.

A report of the foreign plant quarantines division showed 1,062 species of insects, representing 293 families, had been intercepted in foreign shipments recently received in this country. A number of measures were recommended to the National Plant Board to provide for legislation to insure greater protection against further introduction of foreign plant pests.

Commenting on the dangers involved in the present use of rapid methods of transportation for importing foreign plants, Dr. F. G. Holdaway reported that Hawaii had had only two indigenous crop pests until trade with other nations was started. Since that time, the number has increased to about fifty. These pests have caused a terrific loss of

[Concluded on page 64.]



# Made to be BOUGHT-USED- and BOUGHT again!

## End o Pest...

*all the protection most gardens need from chewing insects, sucking insects and fungus diseases!*

**2 PRODUCTS**  
*by the makers of*  
**VIGORO!**

## End o Weed...

*new improved weed killer dooms weeds to certain death, roots and all!*

### For Added Profits... Display Them Both with VIGORO

Garden pest control is a complicated problem understood by only a few home gardeners. Most of them have neither the time nor the experience to understand such matters. To solve this problem... to provide you with a product you can recommend with confidence, Swift offers End o Pest, new 3-way insecticide and fungicide. Recommend it for flowers, trees and shrubs... also for edible fruits and vegetables.

End o Pest should be displayed with Vigoro. They help sell each other.

You can recommend this new product without hesitancy. For End o Weed is backed by the magic name of Vigoro — "the world's best-known plant food." End o Weed destroys over 50 different weeds once and for all! Leaves, stems, roots and all vanish in a week or so after spraying with End o Weed.

Eight ounces treat 2,000 square feet of lawn area. Mention End o Weed to your customers. You'll be helping them and making a good profit for yourself. Display End o Weed with Vigoro and End o Pest for best sales results.

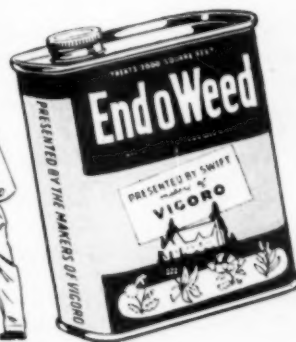
### SWIFT & COMPANY

Plant Food Division  
U. S. Yards Chicago 9, Ill.

End o Pest — End o Weed advertising continues to appear in House Beautiful, The American Home, Better Homes and Gardens and many other favorite gardening magazines. Look for it.

Made by Swift,  
makers of VIGORO

Presented by  
Swift, makers  
of VIGORO



# Plant Notes Here and There

By C. W. Wood

The spectacular beauty of some western penstemons has so overshadowed the eastern types that the latter are shamefully neglected. There is every reason why the specialist, be he professional or amateur, should experiment with the westerners. He knows they are apt to be short-lived, either naturally or when brought east, but it is unfair to sell unknown quantities to rank amateurs. That is one reason, among others, why the neighborhood grower has to choose wisely when he is offering the penstemons to his nonspecialist clients. And it is one reason why he should investigate the hairy beardtongue, *P. hirsutus*.

The grower will probably find it one of the easiest plants to grow—a fact that is easily accounted for, because it grows naturally from Vermont and Michigan southward to below the Ohio river. He will find, too, that it will grow from eighteen to thirty inches in height, depending upon fertility and exposure. *P. hirsutus* sends up its flowering stems in June, each bearing a panicle of soft lavender flowers, tipped with white, the entire effect being that of a lavender mist. It is not a spectacular plant, to be sure, but it will surely please many of your customers, especially addicts to wild gardening. I have also seen it used with good effects in large rock gardens, where given a rather lean soil, it remains around fifteen to eighteen inches in height. Nor is it to be ignored for grouping in flower borders, where a well drained soil and sun or light shade, preferably the former, are essential.

## *Parosela frutescens*.

When a correspondent asked about *Parosela frutescens* a few weeks ago, it had entirely escaped my mind, and I had to plead ignorance. Recently, however, I came upon a note written about twelve years ago. As I have lost the original communication, I am including the answer here, thinking that the inquirer will recognize it and trusting that others will be interested in the worthy plant.

The reason I did not at first connect the note with the inquiry is that I knew it as *Dalea frutescens* and forgot that some writers had used *parosela* as a synonym. The confusion is natural, or was at the time, though most modern botanists now recognize *dalea* as the correct name. But that is beside the point. What

we are interested in is that the plant is a small Texas legume, which looks to the casual observer like a miniature mimosa tree, with its small, divided leaves. According to my note, it grew less than a foot tall here and decorated itself in numerous rosy-red and white pea-shaped flowers throughout most of the summer, making a pleasing ornament. The notes do not say how long it lasted, but it must have been several years, because I remember moving it when it was quite aged. This indicates that the plant should be hardy in all except the coldest parts of the country. I do remember that it comes readily from seeds.

## *Campanula sibirica*.

The bellflower that I know as *Campanula sibirica*, and others may know under one of its several synonyms, is one of the better kinds which have escaped the notice of most gardeners. In their keys to the genus, botanists place it near *C. alpina*, a species that I shall use for comparison, because it is quite well known in the trade. In many ways

it is little more than a large alpina when judged from the gardener's viewpoint, being a foot or a little less in height and larger than alpina in proportion to other characters.

The species seems to be much confused in gardens and nurseries, traveling under several synonyms, including *divergens* and *hohenackeri*. According to reports it varies in form from worthless weeds to splendid ornaments, but of that I cannot say, for all my plants have been desirable ones. I have an extract from Farrer among my notes, without reference to his particular volume, which reads: "While I have seen very inferior, worthless developments of *divergens* (he knew *C. sibirica* under that name), which may, or may not, have been typical, my own batch of seedlings all turned out handsome—middle-sized, much-branched things, with innumerable, fine, big purple flowers." My own experiences with the plant have yielded uniformly big bushes of scabrous leaves, which leads me to think that the plant now in American trade as *C. sibirica* is

## ROSES

No. 1 Field-grown at \$6.50 per 10, \$60.00 per 100, in the following varieties:

### HYBRID TEAS

Betty Uprichard	Luxembourg
Briarcliff	Margaret McGredy
Caledonia	McGredy's Scarlet
Condesa de Sastago	Mrs. Charles Bell
Dame Edith Helen	Mme. Jules Bouche
Edith Nellie Perkins	Mrs. P. S. Du Pont
Editor McFarland	Pres. Hoover
E. G. Hill	Radiance, Pink
Golden Dawn	Radiance, Red
K. A. Viktoria	Sunburst
Lady Hillingdon	Talisman
	White Radiance

F. K. Druschki, H. P.

### CLIMBERS

American Pillar  
Dr. W. Van Fleet  
Talisman Climber

### POLYANTHAS

Cecile Brunner  
Chatillon  
Golden Salmon  
Ideal

## WAYNESBORO NURSERIES

WAYNESBORO, VIRGINIA

# SCARFF'S Nursery

## Berry Plants



Over 50 years' experience with small fruit plants, and we now offer the best varieties for home and commercial planting.

—Telephone: New Carlisle 2561—

### RASPBERRY PLANTS

	Per 100	Per 1000
Chief (Early Red).....	\$5.50	\$45.00
2-yr. plants.....	7.50	65.00
Indian Summer (Everb. Red).....	6.50	55.00
2-yr. plants.....	8.50	75.00
Latham (Red).....	6.00	50.00
2-yr. plants.....	7.50	65.00
Logan (Best Early Black).....	4.50	35.00
Newburgh (Red).....	6.00	50.00
2-yr. plants.....	8.00	70.00
St. Regis (Everb. Red).....	5.50	45.00
2-yr. plants.....	7.00	60.00
Sunrise (Early Red).....	6.00	50.00
2-yr. plants.....	7.50	65.00
Taylor (Midseason Red).....	6.00	50.00

### BLACKBERRY PLANTS

	Per 100	Per 1000
Brainard, 1-yr. ....	\$6.00	\$50.00
2-yr. ....	8.00	70.00
En. Harvest, 1-yr. ....	4.50	35.00
2-yr. ....	7.00	60.00
Iceberg (White Blackberry) 1-yr. ....	6.00	50.00

### BOYSENBERRIES—YOUNG-BERRIES—NECTARBERRIES

	Per 100	Per 1000
Boysenberry Tips.....	\$ 6.50	\$55.00
2-yr. ....	10.00	80.00
Boysenberry, Thornless, Tips.....	6.50	55.00
Youngberry Tips.....	5.50	45.00
2-yr. ....	7.50	65.00
Youngberry, Thornless, Tips.....	6.00	50.00



Boysenberry

### DORMANT PLANTS

All Black Raspberry, Boysenberry, Youngberry and Nectarberry tips and MacDonald Rhubarb divisions are in cold storage in perfect dormant condition. Wire or telephone long distance for immediate shipment.

### BLUEBERRIES

Jersey, Rubel and Hancock Varieties

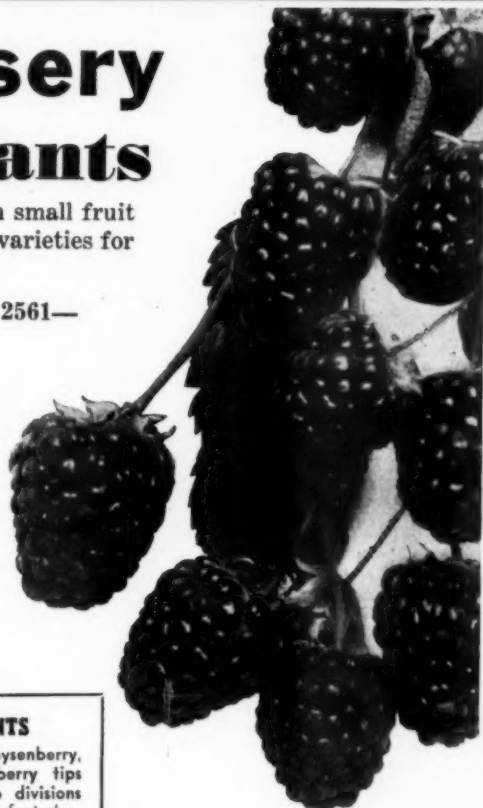
	Per 100	Per 1000
In lots of.....	10	100
Rooted Cuttings.....	\$0.35	\$0.25
6 to 12 ins.....	.75	.50
12 to 18 ins.....	.85	.70
18 to 24 ins.....	1.00	.85

### GRAPEVINES

	Per 100	Per 1000
Caco, 2-yr., No. 1.....	\$17.50	\$160.00
1-yr., No. 1.....	13.50	120.00
Catawba, 2-yr., No. 1.....	15.00	120.00
2-yr., No. 2.....	11.00	90.00
Concord, 2-yr., No. 1.....	12.00	100.00
2-yr., No. 2.....	10.00	80.00
Concord Seedless, 1-yr.....	40.00	.....
2-yr. ....	50.00	.....
Diamond, 1-yr., No. 1.....	11.00	90.00
Fredonia, 2-yr., No. 1.....	14.00	120.00
2-yr., No. 2.....	12.00	100.00
Niagara, 2-yr., No. 1.....	14.00	120.00

### RHUBARB—HORSE-RADISH—SAGE

	Per 100	Per 1000
Linnaeus Rhubarb		
1/2 to 3/4-in. ....	\$ 4.00	\$ 30.00
3/4 to 1-in. ....	5.00	40.00
MacDonald Rhubarb (New Red Strain) No. 1 divisions.....	27.50	250.00
Horse-radish, Malmier Kren-Bohemian, heavy 4 to 6-in. cuttings.....	2.50	15.00
Horse-radish, (Whole Roots).....	4.00	35.00
Sage, English Broad-leaved, 2-yr., field-grown.....	12.00	100.00
Smaller 1-yr. ....	7.50	65.00



### CURRENTS

	Per 100	Per 1000
Red Cross, 2-1.....	\$14.00	\$120.00
Wilder, 2-1.....	14.00	120.00
2-2.....	10.00	80.00

### ORNAMENTALS

	Per 100
Cornus Mas (Cornelian Cherry), 18 to 24 ins.....	\$20.00
2 to 3 ft. ....	25.00
Euonymus Radicans Carrierel 1-yr., field-gr., 10 to 16 ins.....	20.00
Ibollum Privet, 2-yr., 10 to 16 ins.....	60.00
2-yr., 12 to 18 ins.....	75.00
Salix Caprea, (Fr. Pussy Willow), 18 to 24 ins.....	15.00
2 to 3 ft. ....	20.00

### VINES

	Per 100
Euonymus Coloratus, 2-yr., No. 1.....	\$20.00
3-yr., No. 1.....	35.00
Hedera Helix (English Ivy), Evergreen 2-in. plant bands.....	17.50
2 1/2-in. plant bands.....	25.00
Hall's Honeysuckle, 2-yr.....	17.50
Strong 1-yr. ....	12.00

### CHERRY TREES

	Each	Per 100
August Supreme, 11/16-in. cal. ....	\$1.00	\$90.00
Bush Cherries (Budded Varieties) Brooks—Blk. Beauty—Mandan Golden, strong, branched, 2 to 3 ft. ....	.90	75.00

### MISCELLANEOUS

	Per 100
Mulberry, New American, 4 to 5 ft. ....	\$ 90.00
5 to 6 ft. ....	100.00

— Send for Complete Trade List — Also Retail Catalog —

**W. N. SCARFF'S SONS,**

**New Carlisle, Ohio**

really its variety *eximia* (Bailey points out the fact that the variety is the commoner). In any case, the plant, as generally available in seeds, is an excellent ornament. It produces more prodigious display of color, lasting from late June or early July until September, than any other comparable campanula of equal ease of culture that I know. As to ease of culture, it needs so little attention that it quite qualifies for inclusion in the foolproof class. The seeds germinate like radishes, seedlings showing none of the fickleness of some bell-flowers, and the plants grow apace without coddling in almost any sunny situation.

#### Fall Color Combination.

A correspondent asks for a yellow and blue combination in the fall border. He could ask for nothing easier, and a garden that I visited last fall furnishes an example that would be hard to beat. At the rear of the border were spectacular clumps of *Helianthus maximiliani*, growing eight feet high in good soil and producing a multitude of yellow sunflowers right up to heavy frosts. A number of heleniums, including *Riverton Beauty*, lightened the stiff growth of the sunflowers. The blue of three different aconitums, the 2-foot *A. fischeri*, the 3-foot *A. wilsoni* and the 4-foot or better *A. autumnale* gave the spire effects so necessary in a planting of this kind. The two fall sages, *Salvia azurea grandiflora*, in sky-blue, and *S. pitcheri*, in deep indigo-blue, relieved all with their graceful habits. Two other blues of grace, *Statice latifolia*, and *Thalictrum dipterocarpum*, also added to the picture, as did *Eupatorium coelestinum*, used as an edging. The correspondent, being a grower of hardy plants, may not be interested in this, but the use of masses of a form of the annual *salpiglossis* in blue with gold penciling was the crowning feature of the planting to me.

#### Geranium Pylzowianum.

A recent letter from a Canadian reader, in which he stated that *Geranium pylzowianum* was not hardy in his climate, makes me think that the plant's winter behavior may be misleading some growers into the same belief. I cannot say, of course, that the plant would be hardy in the correspondent's section, but it is easy to see how the plant's behavior would lead one to that conclusion, while a little patience would show how incorrect it is.

*G. pylzowianum* was brought into cultivation from northern Tibet by the late Reginald Farrer, as I remem-

## APPLES

### 2-year grafts.

	Per 10	Per 100	Per 1000
1 1/16-in. and up, 4 1/2 ft. and up.....	\$6.50	\$60.00	\$550.00
9/16 to 1 1/16-in., 4 ft. and up.....	5.50	50.00	450.00
7/16 to 9/16-in., 3 ft. and up.....	4.00	35.00	320.00
5/16 to 7/16-in., 2 ft. and up.....	2.90	25.00	220.00
4 to 5-ft. whips.....	4.00	35.00	320.00
3 to 4-ft. whips.....	3.00	25.00	220.00
2 to 3-ft. whips.....	2.00	17.00	150.00

	1 1/16-in.	9/16-in.	7/16-in.	5/16-in.	4 to 5 ft.	3 to 4 ft.	2 to 3 ft.
Anoka .....	200	...	...	20	25	...	50
Delicious .....	160	30	30	5	20	45	15
Delicious, Dark Red .....	4100	1500	150	150	450	400	200
Delicious, Yellow .....	780	125	...	60	315	...	40
Deluxe .....	...	...	...	...	195	...	90
Duchess, Red .....	45	125	90	30	90	110	55
Early Harvest .....	...	...	...	70	...	60	35
Grimes Golden .....	850	400	90	50	780	500	170
Haralson .....	...	40	80	10	...	15	30
Hyslop .....	...	...	...	10	...	...	75
Jonathan .....	2000	2850	1260	645	...	300	210
Jonathan, Dark Red .....	140	690	360	400	...	...	90
Lodi .....	175	125	...	60	260	175	35
Maiden Blush .....	200	130	80	10	45	15	...
McIntosh, Dark Red .....	...	...	80	70	45	200	90
Red Bird .....	...	...	...	20	15	...	25
Red June .....	130	40	...	25	...	50	45
Rome Beauty, Red .....	...	...	...	30	...	...	...
Stayman, Red .....	900	...	...	30	340	...	25
Transcendent .....	75	...	...	...	150	100	100
Turley .....	175	...	20	25	15	...	22
Wealthy .....	...	30	...	...	150	140	65
Whitney .....	...	...	60	20	...	30	250
Winesap .....	165	230	...	45	160	15	10
Yellow Transparent .....	355	110	...	60	1100	825	270
York Imperial .....	...	...	...	...	...	25	...

## PLUMS

	Per 10	Per 100
1 and 2-year, 7/16 to 9/16-in., 3 ft. and up.....	\$7.50	\$70.00
1 and 2-year, 5/16 to 7/16-in., 2 ft. and up.....	5.50	50.00
1 and 2-year, 3 to 4-ft. whips.....	5.50	50.00
1 and 2-year, 4 to 5-ft. whips.....	7.50	70.00

	7/16-in.	5/16-in.	4 to 5 ft.	3 to 4 ft.
Abundance .....	...	...	...	80
Blue Damson .....	...	19	...	...
Bruce .....	25	30	...	70
Burbank .....	...	...	...	...
Compass .....	...	30	...	...
Fellenberg Prune .....	10	25	...	...
Kahinta .....	210	...	...	...
Monitor .....	100	...	100	...
Omaha .....	10	20	...	20
Opata .....	...	15	...	20
Red June .....	240	...	...	375
Sapa .....	300	350	...	65
Shropshire Damson .....	50	...	...	125
Superior .....	200	...	...	...
Waneta, (200 1 1/16-in., \$0.90) .....	...	...	...	...
Wickson .....	120	...	...	75

THE WILLIS NURSERY CO.

Ottawa, Kansas



# STRAWBERRY AND OTHER SMALL FRUIT PLANTS

## STRAWBERRY PLANTS

Per 25 Per 100 Per 250 Per 1000

Big Joe, Blakemore, Dunlap, Massey, Maytime, Mission- ary, Robinson, Suwannee, Temple	\$0.35	\$1.15	\$2.00	\$7.00
Catskill, Chesapeake, Dorsett, Fairfax, Fairpeaks, Gandy, Klondike, Midland, Premier, Redstar, Starbright	.40	1.25	2.25	8.00
Mastodon, Gemzeta, Evb.	.65	2.00	4.25	15.00

No extra charge is made for the package or packing on Strawberry plant orders. Prices quoted are for delivery as wanted during the Spring 1947 shipping season, ending about June 1, and apply as follows:

25 to 75 plants of one variety at the 25 rate.  
100 to 225 plants of one variety at the 100 rate.  
250 to 475 plants of one variety at the 250 rate.  
500 plants or more of one variety at the 1000 rate.

## GRAPEVINES

Our Grapes have heavy fibrous root systems, with many lengthy canes at the top. Write for prices on large numbers. Concord (blue), Fredonia (black), Each Per 10 Per 100

Niagara (white):				
2-year, No. 1 grade	\$0.25	\$1.75	\$14.00	
1-year, No. 1 grade	.20	1.50	10.00	
Catawba (mahogany), Moore's Dia- mond (white), Moore's Early (black), Portland (white), Worden (black):				
2-year, No. 1 grade	.30	2.25	17.00	
1-year, No. 1 grade	.25	1.75	12.00	
Agawam (red), Brighton (red), Caco (red), Delaware (red):				
2-year, No. 1 grade	.35	2.50	20.00	
1-year, No. 1 grade	.30	2.25	15.00	

## ASPARAGUS ROOTS

Per 25 Per 100 Per 250 Per 1000

Varieties: Paradise and Mary Washington				
3-year, No. 1 grade	\$1.25	\$4.00	\$8.75	\$30.00
2-year, No. 1 grade	.75	2.50	5.25	18.00
1-year, No. 1 grade	.60	2.00	4.00	11.00

## BUNTINGS' NURSERIES, INC.

## RASPBERRIES

Per 10 Per 25 Per 100 Per 1000

Cumberland, No. 1 tips	\$1.00	\$2.00	\$6.00	\$50.00
Indian Summer, No. 1 suckers	1.00	2.00	7.00	60.00
Latham, No. 1 suckers	1.00	2.00	6.00	50.00
Newburgh, No. 1 suckers	1.00	2.00	7.00	60.00
St. Regis, No. 1 suckers	1.00	2.00	6.00	50.00
Sunrise, No. 1 suckers	1.00	2.00	7.00	60.00

## BLACKBERRIES

Per 10 Per 25 Per 100 Per 1000

Blowers, No. 1 R. C.	\$1.00	\$2.00	\$7.00	\$60.00
Alfred, No. 1 R. C.	1.00	2.00	7.00	60.00
Eldorado, No. 1 R. C.	1.00	2.00	7.00	60.00

## BOYSENBERRY PLANTS

Per 10 Per 25 Per 100 Per 1000

1-year, No. 1 plants	\$1.00	\$2.00	\$6.00	\$50.00
----------------------	--------	--------	--------	---------

## THORNLESS BOYSENBERRY

Per 10 Per 25 Per 100 Per 1000

1-year, No. 1 plants	\$1.00	\$2.00	\$6.00	\$50.00
----------------------	--------	--------	--------	---------

## RHUBARB ROOTS

Per 25 Per 100 Per 250 Per 1000

Varieties: Victoria and Myatts Linnaeus				
2-inch and up, forcing grade	\$3.50	\$10.00	\$24.00	\$90.00
1 1/2 to 2-inch caliper	3.00	8.50	20.00	75.00
1 to 1 1/2-inch caliper	2.50	6.00	14.00	50.00
5/8 to 1-inch caliper	2.00	5.00	11.00	40.00
1/2 to 5/8-inch caliper	1.75	4.00	9.00	30.00

## MACDONALD RHUBARB

Each Per 10 Per 25 Per 100

No. 1 divisions	\$0.60	\$5.00	\$11.00	\$40.00
-----------------	--------	--------	---------	---------

Free packing for cash with order.

Our Spring 1947 Wholesale List offers a complete line of nursery stock. If you did not receive a copy, write us today. When requesting wholesale rates, please use your printed stationery.

Box 3

Selbyville, Del.

ber. At the approach of winter, it goes completely dormant, little pinkish tubers underground being about all that appear alive. As they are often rather tardy about commencing growth, the impatient gardener, thinking they have winterkilled, might proceed to destroy all that is left of them by replanting the area. A little patience would probably have been rewarded with a ground cover of dark green, much-divided foliage and in late summer a generous production of two deep pink (the knowing ones call it madder-pink) flowers to each 3 or 4-inch stem. It all makes a lovely plant and one that seems to be fitted for the climate of the eastern United States. At least it did well here in northern Michigan in lean, sandy soil in a sunny rock garden, where it spread conservatively into pretty patches. Propagation is from the little tubers or from seeds, when available.

The stemless catchfly, *Silene acaulis*, is a much-abused plant. Speaking  
[Continued on page 61.]

## THUJA GLOBOSA

1000 18 to 24 inches, \$1.50 each

These are fine evergreens, well developed and of good color.

THE WESTMINSTER NURSERIES  
Westminster, Md.

## EVERGREENS

Landscape Sizes

Liners

Rooted Cuttings

GREENBROOK  
NURSERIES, Inc.

Bound Brook, N. J.

## TAXUS CUSPIDATA (spreading)

2-yr. bed-grown, 9 to 12 ins.

\$25.00 per 100; \$225.00 per 1000.

## LILACS, French Hyb.

1-yr., best varieties.

\$25.00 per 100; \$225.00 per 1000.

## DEERFIELD NURSERIES

Deerfield Street P.O., N. J.

## KOSTER NURSERY Bridgeton, N. J.

## RHODODENDRON TALK

Grow the aristocrats of the garden! We have 30,000 GRAFTED HYBRID RHODODENDRONS in named varieties available in pots ready to plant from late May onward. Plant under one-half shade in 6-in. raised beds, and in 18 months you have salable budded plants. See the March 1 issue for our complete list.

### GEORGIA CONVENTION.

The annual convention of the Georgia State Nurserymen's Association will be held at Athens, May 5. Hotel Holman will be convention headquarters. The first Monday in May has been chosen for the meeting of the association, rather than some time in January, as has previously been the custom, because there is a lull in nursery work in Georgia in May and because this is a more convenient time for the staff of the University of Georgia.

The convention will be held in connection with the conference for landscape architects, landscape contractors and nurserymen held by the University of Georgia department of landscape architecture, of which Hubert B. Owens is head. Assembly will be at the university chapel, where Leon P. Smith, dean of the college of arts and sciences of the University of Georgia, will welcome those attending the conference. The response will be read by William L. Monroe, Monroe Landscape & Nursery Co., Atlanta, Ga.

A suggested program for a landscape management service will be outlined by Samuel P. Snow, instructor in the landscape architecture department of the University of Georgia. How nurserymen and landscape architects can aid in planning for recreation will be the topic of an address by F. Ellwood Allen, recreational planner, New York city. After a report by G. Robert Derick, landscape engineer with the Georgia highway department, Atlanta, the group will adjourn for inspection of a student exhibition and the founders' memorial garden in the landscape architecture building.

Following lunch, C. H. Alden, director of the Georgia department of entomology, Atlanta, will speak on the nursery inspection service in Georgia. Dr. B. B. Higgins, botanist at the Georgia experiment station, Experiment, will discuss "Virus Diseases of Stone Fruits." "Soil Analysis and Its Relation to the Use of Fertilizer" will be the topic of John L. Cope, vice-president of the Reliance Fertilizer Co., Savannah, Ga. Responsibilities of nurserymen will be discussed by Donald Hastings, H. G. Hastings Co., Atlanta, and a round-table discussion will be led by Sam C. Hjort, Thomasville Nurseries, Inc., Thomasville, Ga.

After adjournment of the afternoon session of the conference for landscape architects, landscape contractors and nurserymen, the tenth annual meeting of the Georgia State Nurserymen's Association will be

## SPRING 1947

We do not have enough space in our beds to hold the amount of stock we are propagating and so we are offering the following well rooted cuttings for sale any time after May 1.

	Per 100
1000 Juniper, Andorra (Compacta), 6 to 8 ins.	\$12.00
2000 Juniper, Irish Fastigiata, 6 to 8 ins.	10.00
1000 Juniper, Prostrata, 6 to 8 ins.	10.00
2000 Taxus Andersoni, 6 to 8 ins.	12.00
20,000 Taxus Capitata, tip cuttings, 4 to 6 ins.	15.00
1000 Taxus Mooni, 4 to 8 ins.	15.00
1000 Taxus Wellesleyana, 4 to 8 ins.	12.00
10,000 Taxus Browni, 4 to 6 ins.	15.00
1000 Taxus Thayerae, 4 to 8 ins.	12.00
2000 Taxus Cuspidata, 4 to 8 ins.	10.00
2000 Thuja Pyramidalis, 4 to 6 ins.	10.00
1000 Thuja Woodwardi, 4 to 6 ins.	10.00
500 Thuja, Douglas Golden, 4 to 6 ins.	10.00
1000 Thuja, Siberian, 4 to 6 ins.	10.00
20,000 Azalea Mollis, T, flats, 1 to 3 ins.	5.00

### POTTED LINERS (can ship now)

5000 Azalea Mollis, TT, 3-in. pots, 2-yr., 3 to 5 ins.	20.00
100 Juniper, Depressa Aurea, 2 1/4-in. pots, 1-yr., 6 to 8 ins.	20.00
1000 Juniper, Prostrata, 2 1/4-in. pots, 1-yr., 6 to 8 ins.	20.00
1000 Juniper, Irish Fastigiata, 2 1/4-in. pots, 1-yr., 6 to 8 ins.	20.00
2000 Taxus Hatfieldi, No. 24, 2 1/4-in. pots, 1-yr., 4 to 8 ins.	25.00
2000 Taxus Browni, 2 1/4-in. pots, 1-yr., 4 to 8 ins.	25.00
200 Taxus Mooni, 2 1/4-in. pots, 1-yr., 4 to 8 ins.	25.00
10,000 Taxus Cuspidata, 2 1/4-in. pots, 1-yr., 4 to 8 ins.	20.00
2000 Taxus Hicksi, 2 1/4-in. pots, 1-yr., 6 to 8 ins.	20.00
3000 Taxus Andersoni, 2 1/4-in. pots, 1-yr., 6 to 8 ins.	20.00
1000 Thuja Woodwardi, 2 1/4-in. pots, 1-yr., 4 to 6 ins.	20.00
1000 Thuja, Siberian, 2 1/4-in. pots, 1-yr., 4 to 6 ins.	20.00

Terms: Cash. Free packing when cash accompanies order.

Beetle certified.

## HEASLEY'S NURSERIES

Freeport Road

Butler, Pa.

### COLLECTED LINING-OUT STOCK

	Per 100	Per 1000
Thuja occidentalis, 6 to 12 ins., bushy...	\$3.00	\$25.00
Thuja occidentalis, 12 to 18 ins., bushy...	5.00	40.00
Tsuga canadensis, 4 to 8 ins.	2.50	15.00
Tsuga canadensis, 8 to 12 ins., bushy...	3.00	25.00
Ilex verticillata, 1 to 2 ft., sdgls.	3.00	25.00
Viburnum cassinoides, 12 to 18 ins., sdgls.	5.00	40.00
Viburnum lentago, 12 to 18 ins., sdgls.	6.00	50.00

Catalog listing Hardy Ferns, Perennials, and Lining-out Evergreens, Trees and Shrubs sent on request.

**Charles H. Williams Nurseries**  
Box 223 Exeter, N. H.

### EVERGREENS

Lining-out stock for spring 1947.  
Write for list.

**SUNCREST EVERGREEN NURSERIES**  
Johnstown, Pa.

## 300,000 CATSKILL 500,000 PREMIER

Certified Strawberry plants.

\$7.50 per 1000.

F. O. B. Nursery.

Can give prompt shipment from our own cold storages.

ALL PLANTS FIELD TESTED FOR RED STELE root rot and other diseases.



**BOUNTIFUL RIDGE NURSERIES**  
Princess Anne, Md.

## PRIVET and BERBERIS

Splendid Stock

Write for Special Quotations

**LESTER C. LOVETT**

MILFORD DELAWARE

held. Prior to both the conference and the association meeting, there will be an informal smoker at the Holman hotel, Sunday evening, at 8 o'clock.

### SET CONNECTICUT DATES.

Dates for the summer and the annual winter meetings of the Connecticut Nurserymen's Association were set at a meeting of the executive committee, March 3, at New Haven. The summer meeting will be held August 13, at Lake Compounce, and the annual meeting will take place January 7, at Waverly Inn, Cheshire.

### AUGUST DATES SET FOR SHADE TREE CONFERENCE.

The twenty-third annual convention of the National Shade Tree Conference will be held at Hotel Cleveland, Cleveland, O., August 18 to 22. President Charles F. Irish has been elected general chairman, and Edward H. Scanlon will serve as manager. Local committees have been appointed and are now at work.

### PLAN SECOND NATIONAL HORTICULTURAL CONGRESS.

Plans for a second national horticultural congress, to be held at the Hollenden hotel, Cleveland, O., October 23 to 25, are being made by the American Horticultural Council, Inc.

President Robert Pyle states that top speakers are being lined up to insure a conference rich in topics of value and interest. Also there is being planned a series of exhibits to project facts and ideas that will be suggestive in pointing the direction for lines of future action.

The directors have been engaged in the study of what services will be most highly prized by presently organized and unorganized groups. Studies being prepared for presentation to the October meeting will form the basis for specific action at that time.

**SAM C. HJORT**, Thomasville Nurseries, Inc., Thomasville, Ga., president of the Georgia State Nurserymen's Association, was recently elected president of the Thomasville Rotary Club.

**J. RUSSELL JONES**, Charleroi, Pa., has resigned his position as teller and clerk at the Charleroi Savings & Trust Co. to devote all his time to his nursery and farmers' supply business.

# ROSES

## TEA AND HYBRID TEA

	No. 1, \$0.60	No. 1½, \$0.45	No. 2, \$0.30
Ami Quinard	300		
Betty Uprichard		300	400
Caledonia		500	600
Chas. K. Douglas			300
Cynthia			400
Dame Edith Helen		200	300
Edith Nellie Perkins		300	
Editor McFarland	450	1000	1000
*Frau Karl Druschki	1500	1000	100
Francis Scott Key			400
Konigin Luise	500	400	200
Natalie Bottner	100	200	100
*Paul Neyron	1500	500	200
Picture		200	300
Poinsettia		300	500
*Radiance	1500	500	
*Red Radiance	2000	1000	
Rouge Mallerin			300

(\* Varieties No. 1, \$500.00 per 1000.)

## POLYANTHA

Cameo		100	300
Gloria Mundi			100
Golden Salmon	200	200	500
Ideal	50	100	400
Improved Lafayette			200
Katharina Zeimet			200

## CLIMBING

	Per 10	Per 100
American Pillar		
700 No. 1½—\$250.00 per 1000	\$3.50	\$30.00
200 No. 2—\$200.00 per 1000	2.50	22.00
Climbing Ami Quinard		
100 No. 1½	5.00	45.00
Aviateur Bleriot		
150 No. 1	5.00	45.00
400 No. 1½	4.00	35.00
260 No. 2	3.00	25.00
Climbing Caledonia		
300 No. 1	6.50	60.00
500 No. 1½	5.00	45.00
600 No. 2	3.50	30.00
Climbing Columbia		
100 No. 1	6.50	60.00
150 No. 2	5.00	45.00
Crimson Rambler		
1200 No. 2—\$200.00 per 1000	2.50	22.00
Dr. W. Van Fleet		
900 No. 1½—\$350.00 per 1000	4.50	40.00
650 No. 2—\$250.00 per 1000	3.50	30.00
Dorothy Perkins		
300 No. 1½	3.50	30.00
1500 No. 2—\$200.00 per 1000	2.50	22.00
Climbing Etoile de Hollande		
1000 No. 2—\$250.00 per 1000	3.50	30.00
Excelsa, double		
100 No. 1½	3.50	30.00
1000 No. 2—\$200.00 per 1000	2.50	22.00
Climbing K. A. Viktoria		
100 No. 1½	5.00	45.00
200 No. 2	3.50	30.00
Climbing Mrs. P. S. Du Pont		
500 No. 2—\$250.00 per 1000	3.50	30.00
Paul's Scarlet Climber		
2000 No. 1—\$500.00 per 1000	6.50	60.00
500 No. 1½—\$350.00 per 1000	5.00	45.00
500 No. 2—\$250.00 per 1000	3.50	30.00
Climbing Radiance		
1000 No. 1—\$500.00 per 1000	6.50	60.00
Silver Moon		
250 No. 1½	4.50	40.00
100 No. 2	3.50	30.00
Climbing Tallman		
2000 No. 1—\$500.00 per 1000	6.50	60.00
300 No. 1½	5.00	45.00
500 No. 2	3.50	30.00
White Dorothy		
400 No. 1½	3.50	30.00
250 No. 2—\$200.00 per 1000	2.50	22.00

**WILLIS NURSERY CO.,**

**Ottawa, Kansas**



# Postal Rates Bill

The probability that the anticipated \$300,000,000 deficit of the United States Post Office Department will be made up to some extent through increases in postal rates has found tangible form in H. R. 2408, introduced March 6, 1947, in the House of Representatives by Edward H. Rees, chairman of the House committee on post office and civil service, and subsequently referred back to the committee.

Designed to provide for permanent postal rates which would be effective July 1, 1947, the bill provides for increases in all rates except those for air mail and most first-class matter. Nurserymen who use post cards for listing surplus stock or sending special notices will be affected by the only change in rates for first-class mail, an increase of 1 cent, which makes the rate for postal cards 2 cents apiece. The rate of postage on all other first-class matter is the same as at present, 3 cents for each ounce or fraction thereof.

In the case of publications entered as second-class matter when mailed by the publisher, it is proposed that the rates be raised 1 cent per pound in each of the eight postal zones. Additional provisions of the bill would further raise the postal rates of newspapers and periodicals mailed by the publisher. When mailed by someone other than the publisher or news agent, the proposed rate is 2 cents for the first two ounces and 1 cent for each additional two ounces, compared to the present rate of 1 cent for each two ounces.

Most important to nurserymen are the proposed increases in rates for third and fourth-class matter. Included in the category of third-class mail are circulars, catalogs, miscellaneous printed matter and merchandise not exceeding eight ounces in weight. The proposed rate of postage on books, catalogs, seeds, cuttings, bulbs, roots, scions and plants within this weight limit is 1½ cents for each two ounces or fraction thereof, compared to the former rate of 1 cent for each two ounces. The proposed rate on other types of third-class matter is 2 cents for the first two ounces or fraction thereof, and 1 cent for each additional ounce, an increase of one-half cent per pound over the former rate.

Nurserymen may have taken advantage of the bulk rates which may be used when separately addressed, identical pieces of third-class matter are mailed in quantities of not less

than twenty pounds or of not less than 200 pieces. The rate under consideration for such shipments is 16 cents for each pound or fraction thereof, with a maximum postage per piece of 1½ cents, as compared to the present rate of 12 cents a pound. In the case of books and catalogs of twenty-four pages or more of seeds, cuttings, bulbs, roots, scions and plants, the suggested rate is 12 cents for each pound or fraction thereof, with a minimum charge per piece of 1¼ cents. The present charge for such bulk shipments is 8 cents a pound, with a minimum charge of 1 cent. Under the terms of H. R. 2408, moreover, provision is made that pieces or packages of such size or shape as to prevent ready tying in bundles shall be subject to the minimum charge of 3 cents each.

Fourth-class parcel-post rates would be raised from thirty-three and one-third to fifty-eight per cent, depending on zone, if H. R. 2408 were passed without amendment. Postage for local delivery is raised from 8 to 12 cents for the first pound. In zones 1 to 5 inclusive, the first pound rate is increased 5 cents; in zones 7 and 8

there is a proposed increase of 4 cents. Rates for additional pounds also would be materially increased by H. R. 2408.

Rates on catalogs varying in weight from nine ounces to ten pounds are increased approximately fifty per cent on the first pound in the proposed legislation. However, rates for each additional pound of such catalogs is decreased one-half cent in zone 4 and 1 cent in zones 5 through 8, inclusive. Additional pound rates for zone 3 are the same, and rates for each additional pound for local delivery and the first and second zones are raised one-half cent.

One of the largest increases being considered concerns the rate for books consisting wholly of reading matter and containing no advertising other than incidental announcements of books. Whereas this has been one and one-half cents a pound, it is proposed to raise the rate to 8 cents for the first pound and 4 cents for each additional pound.

To insure the most expeditious

## EVERGREEN ROOTED CUTTINGS AND TRANSPLANTS

We are now booking orders for spring and summer delivery. Get our full list. Tr.—Transplants R.C.—Rooted Cuttings

Abelia Grandiflora	Per 100 For 1947
10 to 12 ins., X.....	\$15.00
Abelia Grandiflora,	
12 to 15 ins., X.....	20.00
Arborvitae Globosa,	
Globe Arb., R.C.....	8.00 \$ 75.00
Arborvitae Pyramidalis,	
Pyramidal Arb., R.C....	8.00 75.00
Arborvitae, Tom Thumb,	
R.C.....	7.00 65.00
Arborvitae Nigra, R.C....	8.00
Juniper Communis Depressa	
Plumosa, Andorra Juniper, R.C.....	9.00
Juniper Hetzi,	
Blue Pfitzer Juniper, R.C.....	14.00
Retinospora Filifera,	
Thread Retinospora, R.C.....	7.00
Retinospora Filifera Aurea,	
R.C.....	7.00
Retinospora Plumosa, R.C.	7.00 65.00
Retinospora, Gold Dust, R.C.....	8.00
Retinospora Squarrosa	
Vetchl., R.C.....	7.00
Retinospora Squarrosa	
Vetchl., Tr.....	18.00
Retinospora Plumosa,	
6 to 8 ins., Tr.....	18.00
Taxus Baccata Repandens,	
R.C.....	9.00
Taxus Cuspidata, R.C....	9.00 85.00
Taxus Cuspidata Capitata,	
R.C.....	14.00 135.00
Taxus Cuspidata Nana,	
R.C.....	12.00

**ESHAM'S NURSERIES**  
Frankford, Del.

## Bearing-size BLUEBERRY PLANTS

**BOUNTIFUL RIDGE SPECIALS**  
For April

800 CABOT	300 STANLEY
200 RANOCAS	800 RUBEL
400 CONCORD	200 JERSEY
800 PIONEER	250 BURLINGTON

All in the 6 to 12-inch grade.  
50c each in lots 10 to 100.  
40c each in lots 100 or more.  
Also 400 CABOT, 12 to 18 ins. 55c each in lots of 10 or more.

It Pays  
to use



We can give immediate shipment.

**BOUNTIFUL RIDGE NURSERIES**  
Princess Anne, Md.

## COLORADO BLUE SPRUCE

5-yr. T., 6 to 8 ins., \$75.00 per 1000;  
3 to 5 ins., T., \$20.00 per 1000. 500 at 1000 rate. Beetle inspected.

**W. W. DAMBACH**  
R. D. 1, New Brighton, Pa.  
Phone: Ellwood City 4957R2

## Trees, Evergreens, Shrubs Fruit Trees

Write For Our Wholesale Trade List

**W. - T. Smith Corporation**  
Telephone 2689 GENEVA, N. Y.

## HEMLOCKS

KALMIA, RHODODENDRON, AZALEA

**CURTIS NURSERIES**  
CALLICOON NEW YORK

Nursery Stock at  
Wholesale Only.



**ARTHUR DUMMETT**  
Bernardville, N. J.

# Grow... Sell **LOWELL**

3 Keys to Business Growth

**1. Full Profits—**  
There are no cheap sprayers, no loss leaders, in the Lowell Line. You get full profit on each sprayer and duster you sell.

**2. Selective Distribution—**  
Lowell distributors are carefully selected for highest reputation and business ethics.

**3. Complete Quality Line—**  
Engineer designed, precision-built—there's a Lowell Sprayer or Duster for every need. Fast turnover. Low inventory.

Write for full details today!

**LOWELL**  
*Manufacturing Co.*

DEPT. 55, 589 EAST ILLINOIS STREET  
CHICAGO 11, ILLINOIS

WORLD'S LARGEST MANUFACTURER OF SPRAYERS AND DUSTERS EXCLUSIVELY

handling and transportation practicable of fourth-class matter, a special-handling system has been developed. While the rate for this service given in the 1941 Postal Guide was 10 cents for matter weighing not more than two pounds, 15 cents for that not exceeding ten pounds and 20 cents for that ten pounds or over, the proposed rates are 15, 20 and 25 cents for the same weight categories.

It is also suggested that special delivery rates be raised substantially, and the rate of 20 cents for first-class matter weighing not more than two pounds and 25 cents for matter of equal weight and any other class has been suggested. The proposed rate for matter weighing more than two but not more than ten pounds is 25 cents for first-class mail and 35 cents for that of any other class. For matter weighing more than ten pounds the proposed rate is 35 cents for first-class mail and 45 cents for that of any other class.

Mail-order nurserymen will be particularly affected by increases in money order rates, as will others whose customers use this method of payment. Proposed fees for domestic money orders are: For orders less than \$5, 10 cents; for orders from \$5.01 to \$10, 15 cents; for orders from \$10.01 to \$50, 25 cents, and for

## WANTED

We are interested in purchasing a quantity of the following items for delivery to us in Fall 1947 and early Spring 1948 seasons.

1500	<b>Elaeagnus Pungens</b>	18 to 24 ins.
6000	<b>Ligustrum Lucidum Compactum</b>	18 to 24 ins.
1500	<b>Ligustrum Japonicum</b>	2 to 3 ft.
2000	<b>Pyracantha Lalandi (Firethorn)</b>	18 to 24 ins.
1200	<b>Euonymus Patens</b>	18 to 24 ins.

The above items will be handled bare-root.  
Advise quantity you can supply and price.

**C. W. STUART & CO., INC.**  
Newark — Wayne County — New York

### ORNAMENTAL EVERGREENS

#### Trees & Shrubs

**BAGATELLE NURSERY**  
P. O. Huntington Station, N. Y.

### Evergreens

#### Barberry

#### Privet

Write for wholesale price list.

**GARDNER'S NURSERIES**  
Rocky Hill, Conn.

## LINING - OUT STOCK TRANSPLANTS

Azalea mollis, beds, X, 100 rate, each	\$0.10
(1000 rate, \$0.09; 300 at 1000 rate.)	
Azalea kaempferi, X, beds, 100 rate, each	.15
Euonymus carrierei, X, 4 to 8 ins., 100 rate, each	.10
Euonymus coloratus, X, 4 to 8 ins., 100 rate, each	.10
Euonymus fortunei, X, 4 to 8 ins., 100 rate, each	.10
Euonymus europaeus, X, 6 to 12 ins., 100 rate, each	.08
Euonymus patens, X, 3 to 6 ins., 100 rate, each	.10
Euonymus vegetus, X, 3 to 6 ins., 100 rate, each	.10
Philadelphus coronarius, S., 6 to 12 ins., 100 rate, each	.06
Rhododendron hybrid, X, 100 rate, each	.14
Rhododendron hybrid, XXX, 4 to 6 ins., 100 rate, each	.75
Rhododendron, XX, 2 to 4 ins., 100 rate, each	.25
Vitex agnuscastus, S., 6 to 12 ins., 100 rate, each	.08



Rhododendron Hybrid, XXX, 4 to 6 ins.

## ROOTED CUTTINGS (Ready, May-June)

Andorra Juniper, 4 to 8 ins., 100 rate, each	\$0.10
Ilex bullata, 2 to 4 ins., 100 rate, each	.10
Ilex glabra, 2 to 4 ins., 100 rate, each	.10
Ilex rotundifolia, 2 to 4 ins., 100 rate, each	.11
Ilex crenata, 2 to 4 ins., 100 rate, each	.10
Irish Juniper, 4 to 8 ins., 100 rate, each	.10
Juniper stricta, 4 to 8 ins., 100 rate, each	.10
Juniper pfitzeriana, 4 to 8 ins., 100 rate, each	.12
Geo. Peabody Arborvitae, 4 to 8 ins., 100 rate, each	.14
Retinospora plifera aurea, 4 to 8 ins., 100 rate, each	.12
Retinospora filifera aurea, 4 to 8 ins., 100 rate, each	.12
Pieris japonica, 2 to 4 ins., 100 rate, each	.14
Leucothoe catesbaei, 2 to 4 ins., 100 rate, each	.14
Globe arborvitae, 2 to 4 ins., 100 rate, each	.10
Taxus brevifolia, 2 to 4 ins., 100 rate, each	.12
Taxus cuspidata, 4 to 8 ins., 100 rate, each	.11
Taxus capitata, 4 to 8 ins., 100 rate, each	.14

TERMS: Cash With Order; No C. O. D. No packing charge on Lining-out Stock. Shipped via express only. All stock State and Federal Inspected. Beetle certificate furnished on request.

## PALLACK BROS. NURSERIES, INC.

R. F. D. No. 1  
Harmony, Pa.  
(31 MI. N. Pittsburgh on Hwy. Rte. 19)

orders from \$50.01 to \$100, 35 cents. Money orders may still not be issued for more than \$100.

Similar raises in rates for registered mail are proposed, ranging from an increase of 10 cents for registry indemnity not exceeding \$5 to one of 50 cents for registry indemnity exceeding \$900 but not exceeding \$1,000. Additional fees for registered mail having a declared value which is more than the maximum indemnity covered by the registry fee paid are the same as at present.

Proposed fees for insured mail vary from present rates, although increases are not so large, and in the case of indemnification not to exceed \$200, the highest amount covered, the fee is lowered from 35 to 30 cents. Collect-on-delivery mail fees would be raised 5 cents for collections and indemnity not to exceed \$2.50; 7 cents for those not to exceed \$5, and 8 cents for those in all other categories, up to the maximum amount covered, which is \$200. A fee of 5 cents for notifying the sender of inability to deliver a collect-on-delivery article is also under consideration.

Protests against the size of the proposed increases are being made by many organizations of businessmen who are extensive users of the mails. The National Mail Order Nurserymen's Association has circularized its members to acquaint them with the effects of the higher rates.

## MANGEL'S OPENS NURSERY.

The new \$100,000 nursery of Mangel Florist, Chicago, located across from its flower shop on Skokie highway, at Wilmette, Ill., was opened to the public April 19. Extending for three acres along the highway, the nurseries take on some of the qualities of southern gardens through the arrangements of rustic, wrought-iron and modern garden furniture, gazing globes and pottery. A complete line of insecticides, fertilizers, power mowers and other tools will also be stocked.

The opening of the nursery marks another step in the progress of Mangel Florist, which now has shops in several Chicago Loop hotels. Symbolic of the history of the firm, an old horse-drawn wooden wagon that was used when the company was established in 1888 will be on display at the Wilmette nursery.

KINDLE LANDSCAPE SERVICE is being established by Fred Kindle, who will operate a nursery at his home, 336 East South street, Kewanee, Ill.

## VUYK VAN NES

BOSKOOP HOLLAND

Originators of Azalea Vuykiana (Hardy Dutch Hybrid Azaleas), large-flowering, bloom with foliage; in one white variety and several in nonfading colors.

Propagators and growers of choice nursery stock. All types of Azaleas, Rhododendrons and other broad-leaved Evergreens, Conifers, Roses, Shrubs and Perennials.

Exports to the U. S. A. receive special preparation, cleaning and packing for best results. All stock carefully graded. New York office handles all import details at no extra cost.

Please direct all your correspondence to:

140 Cedar Street New York 6, N. Y.  
VUYK VAN NES NURSERIES

## HOLLAND PEAT MOSS

Best quality, large bales, properly packed by a group of the largest producers operating extensive highland moors and well equipped mills. Carlots of 300 bales or more only. Write.

## HOLLAND BURLAP SQUARES

Uniform quality, two tape edges for tying. Made by the largest mill in Holland, whose exclusive distributors we have been since 1921. Stock on hand and being made. Order now for prompt or later delivery.

HALF MOON MANUFACTURING & TRADING COMPANY, INC.

90 West Street New York, N. Y.

## GULDEMOND & CO.

(Boskoop, Holland)

U. S. address

GULDEMOND'S  
Broadway Station,  
Newport, R. I.

Ask For

Complete List of  
Holland-Grown  
Plants.

## Holland-Grown Nursery Stock

Shrubs and Trees,  
including liners.  
Rhododendrons and Azaleas  
Hardy Perennials  
Peonies

NOVELTIES IN ALL LINES

Ask for wholesale catalog.

## F. J. Grootendorst & Sons

Boskoop, Holland

Growers and exporters since 1903.

## BULK & CO., Nurserymen, of BOSKOOP, HOLLAND

Experienced Exporters of Nursery  
Stock since 1914.

ASK FOR CATALOG



# formula for a rose-y future



## CLOVERSET CLOTRACIDE

REG. U. S. PAT. OFF.

### ROSE SPRAY POWDER



... the rose spray developed BY a nurseryman for use in protecting his own roses. So eminently successful that it now is sold by large and progressive dealers throughout the country, CLOTRACIDE contains all the necessary chemicals for the control of Black Spot, Mildew and other fungus diseases, as well as leaf-eating worms and insects, such as rose slugs, which skeletonize foliage. Easy to use—just add water. Complete instructions on each package.

#### AVAILABLE IN 3 SIZES

50c size costs you 30c—\$3.60 per case, to sell for \*\$6.00. 50c size makes 5 gallons spray.

85c size costs you 51c—\$6.12 per case, to sell for \*\$10.40. 85c size makes 10 gallons spray.

\$1.50 size costs you 90c—\$10.80 per case, to sell for \*\$18.00. \$1.50 size makes 20 gallons spray.

\*Suggested selling prices.

Packed 1 dozen packages to a case, F. O. B. Kansas City.

Send for Sample!

Send 25c (to cover cost of packing and mailing) for 50c size of CLOTRACIDE.

**WHOLESALE!** inquiries invited

#### A FINE PROFIT FOR YOU!

Sell Clotracide to every one of your rose customers—it's a highly profitable tie-in item. Clotracide's low price per gallon and attractive new package make a fast turnover for you.

## CLOVERSET FLOWER FARM

ERNEST HAYSLER & SON

105th Street and Broadway, Kansas City 5, Mo.

#### ARBOR DAY ANNIVERSARY.

[Concluded from page 14.]

ber so necessary to the progress of the pioneer section, he pursued his campaign by means of a newspaper which he edited at Nebraska City. In 1872, he went before the Nebraska state board of agriculture at Lincoln to urge the proclamation of the world's first Arbor day. At his suggestion the board offered a special prize of \$100 to the county agricultural society and a farm library worth \$25 to the individual "that on April 10 shall plant properly the largest number of trees."

More than a million seedlings were planted in observance of the first Arbor day. Two years later, by proclamation of the governor of Nebraska, the second Wednesday in April was set aside as Arbor day, and this date was observed until 1885, when the Nebraska legislature changed it to Mr. Morton's birthday, April 22. First states to join Nebraska in the celebration of Arbor day were Tennessee and Kansas, in 1875, and Minnesota, in 1876. Arbor day had spread to almost every state in the Union by 1893, when J. Sterling Morton became Secretary of Agriculture under President Cleveland.

#### THE HOMESTEAD NURSERIES

H. G. BENCKHUYSEN — Proprietor — BOSKOOP, HOLLAND

FOR BETTER VARIETIES OF  
Azaleas, Rhododendrons, Magnolias, Peonies, etc.

#### FRUIT TREES

East Malling Stocks

Rosebushes and Herbaceous plants

Buy from a firm specializing in exporting plants.

PEPINIERES VANVERT FRERES & FILS  
S.P.R.L.

Obourg, Belgium

Ask for quotations on items you need, indicating quantities.

#### NORTHERN COLLECTED EVERGREENS

FERNS

PLANTS

SHRUBS

WILLIAM CROSBY HORSFORD  
Charlotte, Vermont

#### Old English BOXWOOD

(Wholesale Only)

All slow-grown dense specimens. Red clay soil. Priced by height and spread. 18x12 ins. to 24x22 ins. in unlimited quantities. Also large specimens up to 5 ft. Write for price list.

BOXWOOD GARDENS

Mrs. R. P. Royer

High Point, N. C.

#### We Offer—

EVERGREENS—In a large assortment of PYRAMIDAL and GLOBE ARBORVITAE, FITZGER JUNIPER and YEWs in grades at attractive prices. SOME LARGE SPECIMEN EVERGREENS. SHRUBBERY and SHADE TREES.

Mail want list for prices.

THE WESTMINSTER NURSERIES

Westminster, Md.

Host for Pennsylvania  
Nurserymen's Association  
Summer Meeting August 6.  
FAIRVIEW EVERGREEN NURSERIES  
Fairview, Pa.

Grapevines, Currant Roots,  
Currant Cuttings and Berry Plants.

Small Fruit Specialists.

WEST HILL NURSERIES

Fredonia, N. Y.

Since 1875

# Rate Yourself as Retail Nurseryman

By Ross R. Wolfe

Some nurserymen are production-minded. They like to produce nursery stock so well that they are caught with large surpluses. Some nurserymen are experimenters. They spend their time experimenting, trying out new plants and methods—information about which they could receive largely from experiment stations.

Then there are the penny-wise nurserymen, who are afraid to spend money, who use cheaper labor and whose places are a disgrace to the nursery business. They operate so that they cannot build public confidence; nor can they have a very high regard for themselves. These are the ones who frequently sell questionable nursery stock.

There are also the price-minded nurserymen, who think that big volume means a big profit and that they can eliminate their competitors by underselling them. They usually go out of business themselves. Few nurserymen develop sales along with their production.

By checking this score card you can tell what sort of nurseryman you are. Just put an X by each point for which you can qualify. Each qualification will count 2 points, and if you cannot grade yourself, let your wife make out the score card. If you make 50, you are an average nurseryman; if you make 70, you are a good nurseryman, and if you make 90, you are an extra-good nurseryman.

- ☐ Have a good sales location where many people pass by.
- ☐ Use good labor, carefully selected.
- ☐ Have home well landscaped and attractive premises.
- ☐ Keep buildings and machinery painted.
- ☐ Make records of nursery varieties instead of trying to remember them.
- ☐ Use variety labels and plain price tags on items for sale.
- ☐ Spend from three to eight per cent of gross sales in advertising.
- ☐ Keep brush pile surplus below ten per cent of what is sold each season.
- ☐ Destroy unsold evergreens and old nursery stock.
- ☐ Support the church and all good causes liberally.
- ☐ Prepare for unforeseen losses and misfortunes.
- ☐ Make one price and policy for all customers of the same class.
- ☐ Maintain good credit with the bank, local businesses and nurseries.
- ☐ Plan work well ahead and operate on schedule.
- ☐ Carry through on plans.
- ☐ Keep informed on business, current events and trade and production trends.
- ☐ Provide a place to keep machinery, tools and supplies, and see that they are kept in place.

- ☐ Visit successful nurseries and study methods and organizations.
- ☐ Take time out for play and recreation.
- ☐ Operate business for a profit to serve better.
- ☐ Love the nursery business and believe in it.
- ☐ Destroy fire hazards and carry fire insurance.
- ☐ Keep nursery grounds and nursery in tiptop shape.
- ☐ Check incoming nursery stock and make honest claims promptly.
- ☐ Prune, stake and spray nursery plants to make good individual specimens.
- ☐ Dig plants with plenty of roots.
- ☐ Grade all nursery stock according to the standards of the American Association of Nurserymen.
- ☐ Give dug nursery stock good care.
- ☐ Pack trees and plants well for shipment.
- ☐ Make prompt shipments.
- ☐ Keep a good set of books.
- ☐ Reply promptly and keep correspondence properly filed.
- ☐ Keep names and addresses of customers two years after their most recent purchases.
- ☐ Subscribe to trade journals.
- ☐ Be a member of state and national trade associations.

- ☐ Attend trade meetings.
- ☐ Work daily to improve self and employees.
- ☐ Make few promises or guarantees and keep those that are made.
- ☐ Assign details to others, with full authority and responsibility.
- ☐ Teach those under you what to do and how to do it.
- ☐ Check to see that instructions are carried out.
- ☐ Try to have all customers get full value received for purchases.
- ☐ Remember the names and faces of customers who buy in person.
- ☐ Practice courtesy in dealing with employees and customers.
- ☐ Sell the kind of nursery stock you would want to buy.
- ☐ Substitute varieties in filling orders only with customers' knowledge and consent.
- ☐ Praise competitors and send them customers you cannot serve.
- ☐ Sell wholesale only to those who are buying to sell someone else.
- ☐ Advertise accurately and truthfully.
- ☐ Maintain standard prices.

## NURSERY STOCK

As a whole, nursery stock consisting of 70,000 plants, mostly young Evergreens, just the right sizes for landscape work or roadside stands.

Old English Boxwood, 6 in. to 2½ ft.  
 Junipers in variety, 1 to 4 ft.  
 Arborvitae in variety, 2 to 4 ft.  
 Retinosporas in variety, 2 to 4 ft.

And many other varieties, but not in large quantities.

Owner is going out of the nursery business. Will give terms to responsible people. Also will give plenty of time to remove plants. Will accept any reasonable offer.

Wire or write:

**J. H. EIDSON**

Mocksville, N. C.

## BOBBINK & ATKINS

Nurserymen and Plantsmen

Visitors always welcome.

Paterson Ave.

E. Rutherford, N. J.

## NORTHERN-GROWN EVERGREENS FOR LINING OUT

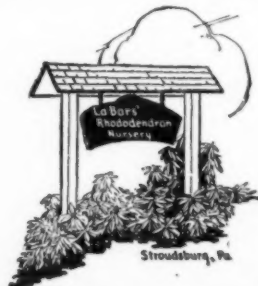
	Per 100	Per 1000
Canada Hemlock		
4 to 8-in. seedlings	\$ 4.00	\$ 25.00
8 to 12-in. seedlings	5.00	40.00
12 to 18-in. seedlings	20.00	....
18 to 24-in. seedlings	30.00	....
4 to 8-in. transplants	20.00	180.00
Balsam Fir		
4 to 8-in. seedlings	5.00	30.00
8 to 12-in. seedlings	8.00	60.00
American Arborvitae		
4 to 8-in. seedlings	3.00	20.00
8 to 12-in. seedlings	5.00	40.00
Oldfield Common Juniper		
4 to 8-in. seedlings	6.00	50.00
8 to 12-in. seedlings	10.00	90.00
Eastern Red Cedar		
4 to 8-in. seedlings	5.00	40.00
8 to 12-in. seedlings	10.00	80.00

Send for complete list of first-quality collected Northern-grown Hardy Native Trees, Shrubs and Plants.

**ISAAC LANGLEY WILLIAMS**

P. O. Box 352

Exeter, N. H.



# IT'S JUNE BUDDING TIME

We are now accepting custom budding contracts for the 1947-48 Season. We have a sizable amount of seeds in the ground, plenty of skilled workmen, and are in a position to do a good job for you.

*Write for full details.*

## FARMERS WHOLESALE NURSERY

P. O. Box 65

Smithville, Tenn.

### DORMANT NURSERY FIRM FILES FOR DISSOLUTION.

Thomas Bermingham, Inc., New Rochelle, N. Y., a nursery and florists' corporation dormant for more than ten years, has filed a certificate of voluntary dissolution in the office of the New York secretary of state, at Albany.

Founded in 1891 by Thomas Bermingham, who died in 1919, the nursery was conducted as part of his estate until 1923, when it was incorporated by six members of the family. Walter Bermingham, who died in 1934, served as president of the corporation. Operations of the firm ceased in 1936.

**PRESSURE** of business at Oak Park Nurseries, East Patchogue, L. I., N. Y., has forced Leslie R. MacRobbie, proprietor, to resign his position as mayor of Patchogue, a position he has held for the past three years.

A **DISABLED** veteran interested in nursery stock for the past sixteen years as a hobby, Ernest Gamin has established Gamin Nursery & Landscape Service, at Batavia, N. Y. In addition to his present greenhouse of 18x24 feet, he plans to have another one of 18x24 feet erected soon.



## SPECIAL OFFERINGS

Very complete range of sizes in quality plants of

*Platanus orientalis*—European Plane Tree  
*Platanus occidentalis*—American Plane Tree  
*Liquidambar*—Sweet Gum  
*Quercus alba*—White Oak  
*Quercus coccinea*—Scarlet Oak  
*Quercus rubra*—Red Oak  
*Ginkgo biloba*—Maidenhair Tree  
*Gleditsia*—Common Honey Locust  
*Rhus canadensis, copallina, glabra and typhina*  
*Rosa wichuraiana*—Wichura Rose

We also have a very large general list of Ornamental Stock.

Ask for new Wholesale Price List.

Send us your Want List.

**PRINCETON NURSERIES**  
**PRINCETON, N. J.**

**J & P**

**EVERGREENS  
 SHADE TREES**

**SHRUBS, VINES  
 HEDGE PLANTS, etc.**

*In good assortment.*

**Jackson & Perkins Co.**  
 NEWARK, NEW YORK STATE



## Mail-order Men Meet

More than fifty mail-order nurserymen from Indiana and Michigan met at Henry's tea room, Goshen, Ind., April 18, for a chicken dinner as the guests of the following Indiana firms: Kunderd Gladiolus Farms, Goshen; Judson Wholesale Nurseries, Bristol; Kindig Nursery, Elkhart; Mathews Nursery & Seed Co. and M. A. Sarkey's Nursery, Gary, and Suntheimer Nursery & Landscape Service.

Having recovered from an attack of influenza, President Clifford Em-long presided over the meeting, which considered the following topics: Character of the National Mail Order Nurserymen's Association convention to be held at the Hotel Sherman, Chicago, Ill., June 19 and 20; reports of business conditions during April; the possibility of storing 1946 strawberry plants until the fall of 1947, and the proper greenhouse conditions for forcing gladioli.

### Topics Discussed at Goshen.

Concerning subject matter to be presented at the national convention, Vernon Krider, of the Krider Nurseries, Inc., Middlebury, Ind., expressed the opinion that a minimum number of speakers were to be preferred. Former President Harold Goldstein Kunderd Gladiolus Farms, Goshen, Ind., believed that stock reports and probable price structures should be the most important items on the program. Because operation costs are not going down, President Em-long said the one thing to avoid was whittling prices. He suggested that stock reports be written out and filed with the national president three weeks prior to the convention, and urged that representatives be sent to the Philadelphia meeting to be held June 4 and 5.

A lively discussion was had on the question of whether strawberry plants can be stored a full year and retain their viability. Victor Judson, proprietor of the Judson Wholesale Nurseries, Bristol, Ind., which produces strawberry plants on a large scale and has a modern storage building, reported being able to keep strawberry plants from one fall to the next and still having them grow well when set out.

Reports of business conditions during April were much more optimistic than those given at any previous meeting this spring. Vernon Krider reported that April, 1947, was running well ahead of any previous April

on record and that this year he was sending out stock in answer to orders, whereas last year he was returning money. Other reports also showed optimism.

An unopened shipment of shrubs and fruit trees received from a cut-price advertiser had been forwarded to C. A. Boyer, chief of the bureau of plant industry of the Michigan department of agriculture, and his letter giving observations following inspection was read. It stated that the peach trees examined showed poor roots and a good deal of mechanical injury. It was found that the roots of the rose bushes showed poor vitality, and the plants were not up to grades established by the American Association of Nurserymen.

Arthur Watson, of the A. L. Watson Nurseries, Grand Rapids, Mich., precipitated some rapid-fire discussion when he asked the proper temperature for forcing gladioli in the greenhouse and whether stock of the current year should be used. John Elzinga, of John M. Elzinga Bulb Farms, Benton Harbor, Mich., replied that he believed gladioli cannot be forced, but they should be planted in January and allowed to develop normally under glass. He advised the use of 1947 bulbs, and suggested that

conditions suitable for carnations and snapdragons be maintained for gladioli under glass.

### Midseason Meeting.

The midseason meeting of the National Mail Order Nurserymen's Association, generally considered the banner get-together of the association for the spring season, was held at the Red Brick tavern, Plainwell, Mich., April 4, with sixty-seven members attending. A steak dinner was served in the usual Red Brick tavern style, and all present seemed to think the hosts had maintained their reputations for top-notch service. The meeting was sponsored by the following Michigan firms: Burgess Seed & Plant Co., Galesburg; Richards Gardens, Plainwell; Wayland Dahlia Gardens, Wayland; Ford Jarvis, Albion; Hill Top Orchards & Nurseries, Hartford, and the Arthur L. Watson's Nurseries, Grand Rapids.

The principal topic of discussion was the proposed increase in postage rates. It was pointed out that if Congress adopts the legislation, it will mean an increase of about 35 cents in the cost of postage for each \$1 volume of business. This increase was considered almost prohibitive to many lines of mail-order businesses, and all members of the National Mail Order Nurserymen's Association were urged to contact their rep-

## EVERGREENS

	Per 100	Per 1000
<b>Juniperus Andorra</b>		
6 to 8 ins. (2½-in. rose pots).....	\$20.00	\$175.50
8 to 10 ins., xx.....	22.50	
<b>Juniperus Japonica Procumbens</b>		
12 to 15 ins., xx.....	40.00	
<b>Black Hills Spruce</b>		
6 to 9 ins., xx.....	22.50	200.00
9 to 12 ins., xx.....	27.50	250.00
<b>Colorado Blue Spruce (seedlings)</b>		
6 to 9 ins., xx.....	22.50	200.00
9 to 12 ins., xx.....	30.00	275.00
<b>Taxus Cuspidata</b>		
2½-in. rose pots, 1-yr.....	25.00	225.00
6 to 8 ins. (cut back from beds).....	35.00	325.00
<b>Taxus Cuspidata Browni</b>		
2½-in. rose pots, 1-yr.....	25.00	225.00
<b>Taxus Cuspidata Intermedia</b>		
2½-in. rose pots, 1-yr.....	25.00	225.00
<b>Taxus Media</b>		
2½-in. rose pots, 1-yr.....	25.00	225.00
<b>Taxus Media Andersoni</b>		
2½-in. rose pots, 1-yr.....	25.00	225.00
<b>Taxus Media Hickii</b>		
2½-in. rose pots, 1-yr.....	25.00	225.00

All quotations are F.O.B. Milwaukee, subject to stock being sold upon receipt of order. Free packing for cash with order. Please use your printed stationery when requesting wholesale prices.

## BROWN DEER NURSERIES

Operated by

**HOLTON & HUNKEL CO.**

P. O. Box 1747

Milwaukee 1, Wis.

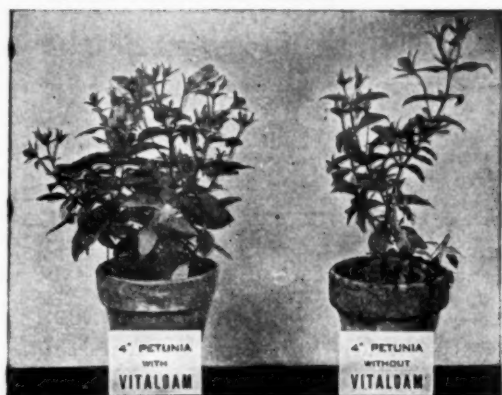
THE ANSWER TO EVERY NURSERYMAN'S DREAM!  
Once You TRY IT You'll NEVER AGAIN Be Without It

GET THE "FEEL" OF  
**FAMOUS** →

CONSERVE THAT MOISTURE  
PROTECT YOUR PLANTINGS

**VITALOAM**  
TRADE MARK

—Sold in 48 States and Canada—



These Plants looked identical when repotted.  
Repotted April 8th — Photo May 7th

*The Sweetheart of the Soil*

*"It rejuvenates the Earth"*

Needed by Every Nurseryman, Landscape Gardener and Tree Expert in America. NOT A COMMERCIAL FERTILIZER. Put Right Around The Roots Of Trees and Plants.

REJUVENATE Your SOIL With "VITALOAM"

WARNING—Send in your order NOW to insure delivery.

A famous American nurseryman calls VITALOAM "black gold" and he recently flew from Virginia to Lancaster to compliment us personally on the creation of an outstanding product.

Use your letterhead and write for Wholesale Prices!

**SOIL RESEARCH LABORATORIES, INC.**

531 East Main St.

Lancaster, Ohio

representatives or senators in an effort to prevent the passage of the bill.

As to business conditions, members generally reported a drop of about thirty per cent under last year's volume. Most members attributed the drop to weather conditions, but a few attributed it to economic factors.

#### Meeting Dates Set.

John Elzinga will be in charge of both the meal and the program for the meeting to be held at Hotel Vincent, Benton Harbor, Mich., May 2. C. A. Boyer will speak on the recent action of the National Plant Board in making inspections reciprocal in the forty-eight states.

Invitations have gone out to members and their wives or sweethearts to attend the second annual ladies' night of the National Mail Order Nurserymen's Association, May 23, at the Warm Friend tavern Tulip room, Holland, Mich. A banquet, with flowers and souvenirs, will be followed by entertainment featuring music, novelty numbers and wooden-shoe dancers.

Dates have also been set for the annual meeting of the association. The National Mail Order Nurserymen's Association will meet June 19 and 20, at the Hotel Sherman, Chicago, Ill.

**Lot 1. — 275 KOSTER BLUE SPRUCE, 3 to 8 ft.**

**Lot 2. — 60 COLORADO BLUE SPRUCE (Shiners), 4 to 8 ft.**

#### YOU MAKE THE PRICE

Because of the age of the owner, this nursery is closing out all Trees, Shrubs and Evergreens, and in the future will specialize in Rock Plants and Perennials. The above trees have not been root-pruned for 5 years, but are one of the best blocks of Kosters and Blues in the East.

It will pay you to come and see these trees and others, and make me an offer, cash on spot, buyer to dig and take away. This sale will close 2 weeks from the day this issue of this paper is published. The highest bidder with the cash gets either or both lots.

Letters will be answered the day received.

**MITCHELL NURSERIES**

Country Club Road

Barre, Vt.

**HESS' NURSERIES**

Mountain View  
New Jersey

**LINING-OUT STOCK**  
OUR SPECIALTY . . .

Shade Tree Whips . . . a timely finished product saving 2 to 4 yrs.' growing effort . . . excellent variety.

A very complete line of  
ORNAMENTAL TREES, SHRUBS  
and EVERGREEN SHRUBS,  
including many scarce items.

**THOMAS B. MEEHAN CO.**  
DRESHER, PA.



Growers of a complete  
line of deciduous and  
coniferous species.

**JEWELL NURSERIES, INC.**  
Lake City, Minn.

### Northern-grown Stock

Send  
for  
Price  
List.

**J. V. BAILEY NURSERIES**  
St. Paul 6, Minn.

### ORNAMENTALS TREES SHRUBS EVERGREENS

Wholesale growers of a  
general assortment for  
the best landscape plantings.

**BRYANT'S NURSERIES**  
Princeton, Illinois

**BURTON'S**  
HEADQUARTERS FOR  
EVERGREEN GRAFTS, TRANSPLANTED  
EVERGREENS, SHRUB LINERS.  
*Write!*  
RARE ITEMS YOU DO NOT  
FIND IN MOST LISTS!  
**HILLTOP NURSERIES**  
EASTOWN, OHIO



### EVERGREENS

Growers of Quality Evergreens  
Lining-out Stock a Specialty  
*Write for Trade List*

**EVERGREEN NURSERY CO.**  
Established 1864 : STURGEON BAY, WIS.

### GRAND RAPIDS GROUP HEARS INSURANCE PLANS.

Group hospitalization insurance plans for members of the Grand Rapids Nursery and Landscape Association and their employees were discussed at their spring meeting, March 28, at the Pantlind hotel, Grand Rapids, Mich.

Charles T. Henne and Milton Chambers, representing Mutual Benefit Insurance of Omaha, explained in detail a program which they tentatively had prepared for the specific needs of the association. It was pointed out that small employers are facing a serious problem in the loss of manpower to large industries, which attract employees by offering them comprehensive benefit programs as inducements. As the small employer cannot gain such benefit programs as an individual employer, because of his small size, it is necessary for him to band together with other small employers, with the whole becoming sufficiently prominent in size to enable it to purchase a benefit program substantial enough to protect its interests in the labor market. It was further pointed out that industry in general has found the insurance programs give direct, measurable results in better employee relations, reduced turnover and less absenteeism.

At the regular business meeting following the discussion of the plan, it was decided by majority vote that the association should ask Mr. Henne and Mr. Chambers to conduct a survey to determine whether a sufficient number of applicants could be obtained to place their plan in effect. Members are accordingly being contacted to learn their reactions to various plans which would pay certain stipulated benefits in the event of hospitalization, surgery, the loss of limbs or eyes or accidental death.

Present officers of the Grand Rapids Nursery and Landscape Association, now serving their second term in office, are Ernest F. Durant, president; Marinus De Winter, vice-president, and Wilbur Luikens, secretary-treasurer. Arthur Watson served the first two terms as president of the association, which has been in existence for the past four years and has about thirty members.

The association meets four times a year. The annual winter meeting is held during the week between the Illinois and Michigan state meetings, and another meeting is held in the spring. In the summer a picnic is provided for the members and their employees, and the last meeting of the year is usually held in October.

### C. M. Hobbs & Sons, Inc.

BRIDGEPORT INDIANA

*Established 1875*

FRUIT TREES

GINKGO

NORWAY MAPLE

SOFT MAPLE

SWEET GUM

THURLOW WILLOW

WELL GROWN  
EVERGREENS, in variety

We solicit  
your inquiries

**SHERMAN NURSERY  
COMPANY**  
Charles City, Iowa

RED LAKE CURRANTS  
RED RASPBERRIES  
Hansen's BUSH CHERRY  
PARADISE ASPARAGUS

**ANDREWS NURSERY  
CO.**  
FARIBAULT, MINN.

### CONTAINER-GROWN

Flowering Shrubs and Roses  
with flower buds opening and  
ready to prolong spring and summer  
sales. Ready now. Delivery  
by your truck or ours would be  
best.

**VERHALEN NURSERY COMPANY**  
Scottsville, Texas  
and  
Dallas, Texas



Wholesale growers of the best  
Ornamental Evergreens,  
Deciduous Trees,  
Shrubs and Roses

Write for our current trade list.

**THE KALLAY BROTHERS CO.**  
Painesville, Ohio



## STILL AVAILABLE FOR IMMEDIATE SHIPMENT

### RED RASPBERRIES

		Per 100	Per 1000
10,000	St. Regis, 3/16-in. to 1/4-in.	\$5.00	\$40.00
3000	St. Regis, No. 1 transplants	6.00	50.00

### CURRENTS

		Each	Each
2000	Wilder, 3-yr. heavy	\$0.20	\$0.19
2000	Wilder, 2-1	.15	.14

### GRAPES

10,000	Fredonia, 1-1	\$0.11	\$0.10
10,000	Niagara, 1-1	.11	.10

### VICTORIA RHUBARB

	Whole Roots	100 to 250	250 to 1000	1000 to 5000
	Per 100	Per 100	Per 100	Per 1000
1 1/2-in. and up	\$10.00	\$9.50	\$90.00	
1 to 1 1/2-in.	6.00	5.50	50.00	
3/4 to 1-in.	5.00	4.50	40.00	
1/2 to 3/4-in.	4.00	3.50	30.00	

### HORSE-RADISH

	25 to 100	100 to 250	250 to 1000
	Each	Per 100	Per 1000
Cuttings	\$0.02	\$1.75	\$15.00
Whole Roots	.04/2	4.00	35.00

Wire or telephone BRIDGMAN 22  
ASK FOR SPECIAL QUOTATIONS ON QUANTITY

## KRIEGER'S WHOLESALE NURSERY

Bridgman, Mich.

### COVER ILLUSTRATION.

#### Stephanandra Incisa.

*Stephanandra incisa* (flexuosa) is a wide-spreading shrub with slender, somewhat drooping branches, reaching a height of about three to four feet, although the mature size is often described as eight feet or more. Because it is somewhat tender, it is usually much lower. The twigs are reddish or reddish-green and characteristically zigzaggy. It is a native of Japan and Korea.

The leaves are usually one to two and one-half inches long, deeply toothed or lobed, bright green in summer and purplish-red in the fall.

The flowers are perfect, small, greenish-white and not very showy. They are produced in June. The fruit is a follicle and not showy.

The cutleaf *stephanandra* does well in sun or partial shade. It prefers a soil retentive of moisture, particularly peaty soils. It is subject to injury from summer drought. It should be used in protected places, requires moderate pruning and can be transplanted readily. Softwood cuttings root easily, and the plant can be propagated also by hardwood or root cuttings.

Where hardy, the cutleaf *stephanandra* is an excellent foliage shrub for facing larger, more leggy shrubs in the border. It also finds some use as a foundation plant. L. C. C.

ARTICLES of incorporation have been granted Ernst, Inc., Muncie, Ind., on application by Devol E. Ernst, Naomi Ernst and Harry H. Jack.

## TREE OR WINDBREAK SEEDLINGS

100 per cent dormant stock, ready for immediate shipment.  
Prices F.O.B. Yankton, South Dakota. Boxing and packing extra.

		Per 1000
30,000	Elm, Chinese, 9 to 12 ins.	\$ 6.50
90,000	Elm, Chinese, 12 to 18 ins.	10.00
120,000	Elm, Chinese, 18 to 24 ins.	15.00
70,000	Olive, Russian, 6 to 12 ins.	12.00
169,000	Olive, Russian, 12 to 18 ins.	20.00
35,000	Olive, Russian, 18 to 24 ins.	30.00
2500	Olive, Russian, 2 to 3 ft.	50.00
2300	Olive, Russian, 3 to 4 ft.	70.00
2500	Locust, Honey, 6 to 12 ins.	7.00
2000	Locust, Honey, 12 to 18 ins.	12.00
8000	Locust, Honey, 18 to 24 ins.	16.00
3700	Locust, Honey, 2 to 3 ft.	22.00
36,000	Maple, Soft, 12 to 18 ins.	11.00
12,000	Maple, Soft, 18 to 24 ins.	18.00
10,000	Maple, Soft, 2 to 3 ft.	25.00
20,000	Plum, American, No. 1	55.00

Send for our surplus list.

GURNEY SEED & NURSERY CO., Yankton, S. D.

## LAKE'S SHENANDOAH NURSERIES

Shenandoah, Iowa.

Wholesale growers of  
a fine assortment of

### GENERAL NURSERY STOCK

Your inquiries will be appreciated.

"A friendly, efficient sales service"

### E. D. ROBINSON

#### SALES AGENCY

38 So. Elm St. P. O. Box 285

WALLINGFORD, CONN.

Representing

Adams Nursery, Inc.  
Bristol Nurseries, Inc.  
Barnes Brothers Nursery Co., Inc.  
North-Eastern Forestry Co., Inc.  
A. N. Pierson, Inc.

A complete line of well grown hardy plant material  
Evergreens and Lining-out Stock

## GRAPEVINES, CURRANTS, GOOSEBERRIES and BERRY PLANTS

Can also supply Currant  
lineouts and cuttings.

Known to the Wholesale Trade  
for Small Fruit Plants of Superior  
Quality Since 1890.

F. E. SCHIFFERLI & SON NURSERIES  
Fredonia, N. Y.

### SURPLUS

Evergreen Grafts, out of 2 1/2-inch pots,  
200 each of the following Junipers:  
Per 100

Canaertii, Nevins Blue,	
Hill's Dundee, Glauca	\$65.00
1000 MacDonald Rhubarb, strong	
divisions	20.00
300 Paul's Scarlet Climbers,	
1 1/2 grade	35.00
1000 President Cannas	6.00
Cash with order; packing free.	

KANSAS EVERGREEN NURSERIES  
Manhattan, Kan.



## CALIFORNIA ASSOCIATION OF NURSERYMEN

JACK LINCKE, Executive Secretary

215 West Seventh St., LOS ANGELES 14, CALIF.

### ADVERTISING MATERIALS.

During the week of April 14, every owner-member of the California Association of Nurserymen was furnished with an attractive membership sign. The signs are a part of the program being carried out by the association's state office to publicize the organization to the public. They are two feet square, done in green and white on porcelain enamel baked onto 18-gauge steel. They are to be displayed where they will be readily visible to automobile and pedestrian traffic.

In addition to the signs, during the same week, each chapter secretary was furnished with a quantity of attractive 4x10-inch decals, which are to be displayed on automobile windshield and nursery windows.

Several months ago, each member was given a mat of the organization's seal, and the request was made that this be used on all printed matter.

"The purpose of these three phases of our public relations program," according to Jack Lincke, executive secretary of the association, "is to make the public conscious of the organization, and it is believed that, in the not too distant future, present plans, coupled with later activities, will so publicize the association that people will look for the membership sign when buying nursery products.

"California nurserymen are taking cognizance of the fact that we must compete strongly for a worthwhile portion of the public's spending money. We are up against strong competition from not only heavy and clever national advertising, but also intensive state advertising.

"Many items, long denied the public, are reaching the market in large volume and are making heavy inroads into spending money. Furthermore, the reductions in war-boom savings are beginning to be felt in all lines of business. In fact, some lines decreased fifty-nine per cent in dollar volume in California in February.

"Because of these and other contributing factors, California nurserymen realize that they must be aggressive if they are to hold their wartime gains. Consequently, the association is undertaking activities intended to lay the foundation for a future statewide advertising campaign.

"All chapters have been asked to extend honorary memberships to their local newspaper editors and garden editors or, if the papers lack these, reporters who are interested in horticulture. The purpose of this is to obtain local news coverage of meetings and other organization activities. This, of course, is another portion of the plan to make the public conscious of the organization," Mr. Lincke concluded.

### BILLS AID NURSERYMEN.

Many thousands of dollars in nursery sales are involved in two bills which have been passed by the state legislature at the instance of the

### 300,000 HARDY CHRYSANTHEMUMS Field-grown Divisions

ALGONQUIN, fine, double, showy yellow, good.  
APOLLO, bronze and yellow, Korean, tall, good.  
ASTRID, clear pink, Korean.  
AUTUMN LIGHTS, lovely semi-double bronze.  
CALIPH, tall, double, deep red.  
DEAN KAY, large cushion type, rose-pink.  
EMBER, double, showy orange-bronze.  
GOBLIN, warm bronze pompon, good cutter.  
JEAN TREADWAY, double pink, tall, good cutter.  
KRISTINA, beautiful cerise-red, Korean.  
MARJORIE MILLS, cushion type, crimson and peach.  
PIGMY GOLD, cushion type, yellow pompon.  
SIEGFRIED, large, yellow, Korean.  
SONNY BOY, bronze-yellow pompon, good for pots.  
VIKING, large reddish-bronze, Korean.  
WHITE GULL, cushion type, white pompon.

### CUSHION MUMS

BRONZE CUSHION  
NEW RED CUSHION  
PINK CUSHION  
WHITE CUSHION

Above at \$4.00 per 100; \$35.00 per 1000.  
25 at 100 rate. Minimum order \$4.00.  
Delivery April 1 and later.

### NAGLE'S NURSERY

Benton Harbor, Mich.



### IRISES • DAY LILIES PEONIES • POPPIES

ALL YOUNG GROWN STOCK

Prompt Service

Send for Wholesale Prices

C. F. WASSENBERG  
Van Wert, O.

### WELLER'S PERENNIALS

With That Wonderful Root System

Headquarters for

HARDY MUMS AND PHLOX

Ask for our Perennial Catalog.

WELLER NURSERIES CO., Inc.

Leading Perennial Growers

Holland, Mich.

California Association of Nurserymen, according to Jack Lincke, executive secretary.

The first of these sets aside the last Friday of each April as state Arbor day. The second annually sets aside the period of February 12 to 22 as state tree-planting time. In order not only to capitalize on these bills, but to add to the attractiveness of California home and civic areas, the following exploitation program has been outlined by the executive secretary, to be carried out by each chapter and each group of members in the principal California towns:

Have the mayor of the town proclaim Arbor day.

Each member is to feature Arbor day in his advertising.

Ask the local newspapers to edi-

## DORMANT STOCK IN COLD STORAGE

Must be ordered in quantities of 10 each

These varieties are available for immediate sale and can be delivered up through and including May 20. Order immediately, otherwise we may be unable to fill your order. Cash with order please.

Price: \$0.50 \$0.40 \$0.30  
GRADE: No. 1 No. 1/2 No. 2

### Standard Varieties

Ami Quinard	No. 1	No. 1/2	No. 2
Betty Uprichard	No. 1	No. 1/2	No. 2
Cl. F. S. Key	No. 1	No. 1/2	No. 2
Cl. Red Radiance	No. 1	No. 1/2	No. 2
Cl. Talisman	No. 1	No. 1/2	No. 2
Cl. White			
Am. Beauty	No. 1	No. 1/2	No. 2
Edith Krause	No. 1	No. 1/2	No. 2
Editor McFarland	No. 1	No. 1/2	No. 2
Etoile de Hollande	No. 1	No. 1/2	No. 2
Frau Karl Druschki	No. 1	No. 1/2	No. 2
F. S. Key	No. 1	No. 1/2	No. 2
Golden Charm	No. 1	No. 1/2	No. 2
Golden Dawn	No. 1	No. 1/2	No. 2
Gruss an Teplitz	No. 1	No. 1/2	No. 2
Paul Neyron	No. 1	No. 1/2	No. 2
Paul's Scarlet	No. 1	No. 1/2	No. 2
Pink Radiance	No. 1	No. 1/2	No. 2
Poinsettia	No. 1	No. 1/2	No. 2
Pres. H. Hoover	No. 1	No. 1/2	No. 2
Red Radiance	No. 1	No. 1/2	No. 2
Talisman	No. 1	No. 1/2	No. 2

### Patented Varieties

	Price
Betty Prior	\$0.70
Blaze	.90
Charlotte Armstrong	.90
Crimson Glory	.90
Donald Prior	.70
Mirandy	1.10
Rome Glory	.90
Snowbank	.70
Texas Centennial	.75

These roses are paraffin dipped and the roots are puddled and packed in wet moss. Positively completely dormant. EXCELLENT CONDITION.

### M. OLIVER FLOWER FARMS

P.O. Box 86

Tyler, Texas

torialize it. Have garden editors feature it in their columns.

Ask the principal or superintendent of schools to set aside assembly and classroom periods to be devoted to nature and the discussion of the advantages of home and civic landscaping.

The association's state office will issue state-wide publicity to all principal California papers.

State President Charles Armstrong has arranged to have the day proclaimed by Governor Warren and to have the proclamation sent out from Sacramento on the Associated Press wire. Exploitation of the tree-planting period will, of course, have to be left for next year.

It is believed that one of the greatest advantages of these two bills is that, in future years, should slack business be encountered, there will be two definite times in the year when there is something specific to exploit and capitalize upon. If the chapters and the many members will carry out the suggested program, there will be many thousands of dollars added to the industry's annual sales.

#### CALIFORNIA CONVENTION.

The San Diego chapter of the California Association of Nurserymen is to be the host at the state convention, which is to be held September 29 to October 1, at the U. S. Grant hotel, San Diego, Cal. Announcement of the dates has been made by F. G. James, now serving his third term as president of the San Diego chapter.

#### CALIFORNIA DIRECTORS HOLD MIDYEAR MEETING.

Members of the board of directors of the California Association of Nurserymen met at Fresno, March 18 to 20, to conduct their midyear meeting. The directors, who were presided over by President Charles G. Armstrong, Sacramento, and Vice-president T. A. Sand, Delano, are as follows: Paul Moulder, Frank James, James Wilson, Jack Evans, Stewart Henson, Syd Whitehorn, Paul Kleinsorge, William Powell, Walter Knecht, Elmer Merz, James W. Jensen and Walter Tecklenburg.

Executive Secretary Jack Lincke presented to the board the bylaws of the newly created Centinela Valley chapter, with headquarters at Inglewood. The bylaws were accepted, and Mr. Jensen was accredited as a director.

Kenneth Fry, of the State Agricultural Society, outlined arrangements for the state fair, which will be held

## WE OFFER THE FOLLOWING DISCOUNTS TO CLOSE OUT OUR SURPLUS FROM STORAGE

10% Discount on orders from \$25.00 to \$49.00.

15% Discount on orders from \$50.00 to \$99.00.

20% Discount on orders from \$100.00 to \$199.00.

25% Discount on orders from \$200.00 and up.

### PRIVET

#### AMUR RIVER NORTH PRIVET. *Ligustrum Amurense.*

	Per 100	Per 1000
6 to 15 inches, L. O. ....	\$ 2.50	\$ 20.00
6 to 9 inches, 2 br. up. ....	3.00	25.00
9 to 12 inches, 2 br. up. ....	4.00	35.00
12 to 18 inches, 2 br. ....	5.00	45.00
12 to 18 inches, 3 br. up. ....	6.00	55.00
18 to 24 inches, 2 br. up. ....	6.00	55.00
18 to 24 inches, 3 br. up. ....	7.50	70.00
2 to 3 feet, 4 br. up. ....	9.00	85.00
3 to 4 feet, 5 br. up. ....	12.50	100.00

#### CALIFORNIA PRIVET. *Ligustrum Ovalifolium.*

	Per 100	Per 1000
6 to 15 inches, L. O. ....	1.75	15.00
6 to 12 inches, 2 br. up. ....	2.50	20.00
12 to 18 inches, 2 br. up. ....	4.00	30.00
12 to 18 inches, 3 br. up. ....	5.00	40.00
18 to 24 inches, 2 br. up. ....	5.00	40.00
18 to 24 inches, 3 br. up. ....	6.00	50.00

*Deutzia Crenata* and *Pride of Rochester*; *Forsythia Intermedia*, *Spectabilis* and *Viridissima*; *Lonicera Tatarica*, *Rosea*, *Alba*, and *Lonicera Fragrantissima*; *Spiraea Vanhouttei*; *Weigela Bella Albida*, *Hendersoni* and *Rosea*, in Lining-out Grades as listed in our advertisements in the American Nurseryman for February 15 and April 15, or our Spring Trade List.

Wire us for quotations on your Lining-out Requirements.

Our 60th  
Year

### FOREST NURSERY COMPANY, INC.

Phone 234-W  
McMinnville, Tennessee

J. R. BOYD  
President

## 60,000 GEMZATA 50,000 GEM Everbearing Strawberry plants

Offered for April.  
\$11.00 per 1000.  
F. O. B. Nursery

Can give prompt shipment from our own cold storages.

IT PAYS  
TO USE



**BOUNTIFUL RIDGE NURSERIES**  
Princess Anne, Md.

The **CHRYSANTHEMUM**  
**CATALOG** you cannot afford  
to be without.

**WONDERLAND NURSERIES**  
Ellerson, Va.

## MICHIGAN-GROWN PEACHES

Per 100  
Leading varieties in 5/16-in. .... \$240.00  
Leading varieties in 2 to 3 ft. .... 190.00

## SHADE TREES

Per 100  
*Hackberry*, 1 1/4 to 2-in. .... \$185.00  
*American Ash*, 1 1/4 to 2-in. .... 225.00  
*Honey Locust*, 1 1/4 to 1 1/2-in. .... 225.00  
*Thornless Honey Locust*, 1 1/4 to 1 1/2-in. .... 250.00  
*American Elm*, 1 1/2 to 1 3/4-in. .... 175.00  
*Chinese Elm*, 1 1/2 to 1 3/4-in. .... 175.00  
No. 1 H. T. Roses. .... 50.00

The Atlas Portable Irrigation Equipment is a big money-saver and ideal for nursery and farm use. Write for information.

**I. E. ILGENFRITZ' SONS CO.**  
**THE MONROE NURSERY**  
Monroe, Michigan

## OUR SPECIALTIES

*Jun. Pfitzeriana*, B&B, and pots.  
*Taxus* in variety, B.C. tr. and pots.  
*Weigela*, *Eva Rathke*, 2-yr. frame tr.  
*Viburnum Rhytidophyllum*, B.C. and pots.  
Contracting now for future delivery.  
Correspondence invited. No catalog.  
**HUMPHREYS LANDSCAPE SERVICE**  
Mt. Sterling, Ky.



at Sacramento, August 28 to September 7. The fair board will designate a floricultural day, on which an appropriate program will be held. The directors voted to sponsor an industry-wide exhibit at the fair.

The majority of the remainder of the session was taken up with a report by the executive secretary of the progress being made toward the completion of the year's program adopted during the Berkeley convention. The 16-point program is slightly more than fifty per cent completed and consists of legislative activities, advertising training, labor relations, public relations, industry advertising, establishment of new chapters and the handling of emergency matters of concern to the industry.

Figures were submitted to the directors which showed that the organization had increased from a membership of eighty in June, 1945, to a total of 475 at present.

To provide a more satisfactory budget for the fiscal year 1947-48, the directors voted to change the dues schedule as follows: Minimum dues will be \$25 a year, and instead of the members' paying a fixed fee based upon their gross volume of business, they will pay one-tenth of one per cent on their gross volume. It is believed that this system will increase the organization's revenue and adequately meet the annual \$17,000 budget requirements.

The various directors reported for their chapters on the progress made in collecting a \$7,000 supplemental budget for this year's operations. Figures indicated that slightly more than one-third of the money has already been collected.

In keeping with the association's policies, the directors adopted a proposal by Jack Evans, of Evans & Reeves Nurseries, Inc., Los Angeles, that the association adopt the standardized names and synonyms for camellias established by the Southern California Camellia Society.

For the first time, the state office has sent to all members a complete 21-page report on the proceedings. In the past, this was done only at the conclusion of the annual convention. However, Jack Lincke, executive secretary, believed that the publication of the midyear proceedings would give the membership a better understanding of the manner in which the organization operates. "It is very significant," he said, "that fifteen very busy nurserymen took three days away from their firms to travel halfway across the state of California to transact matters in the interest of the organization's membership and the state's industry. Both large and

## BOOKS ON LANDSCAPE SUBJECTS

Several of the recommended standard books on landscape design and planting, including some of recent authorship, are out of print, probably for some time. Of the books now available, the following are considered the most useful. Since they treat different aspects of the subject, each is described in some detail, so that those seeking such books may be able to select that nearest fitting their needs.

### **GARDEN DESIGN, by Marjorie Sewell Cautley (\$5.00).**

Discusses the principles of abstract design as applied to landscape composition, color composition, decorative elements and ornaments. A classification of foliage plants according to color and texture occupies one-third of the book. Simple definitions of the terms of architects and designers are supplemented by numerous sketches in illustration. Provides an understanding of artistic terms and principles, as well as their application.

### **TREES AND SHRUBS FOR LANDSCAPE EFFECTS, by Marian Cruger Coffin (\$3.00).**

Chiefly concerned with the materials for landscape planting. Many fine pictures illustrate the author's comments on the uses of woody plants. Successive chapters discuss the trees and shrubs for gardens, the approach to the house, its setting, and the various sorts of landscape treatment of plants for various purposes, and they are derived from the author's experience as a landscape architect, as is the entire substance of the book.

### **HOW TO LANDSCAPE YOUR GROUNDS, by Loyal R. Johnson (\$3.00).**

Discusses the steps taken by the small property owner in planting his grounds, including the architectural features, walks and drives, lawn, trees and shrubs and various types of gardens. Select list of plants for various purposes are included. The important feature of the book is a series of planting plans and keys for different regions of the United States.

These books and others on horticultural subjects are available at the publishers' prices through the

## AMERICAN NURSERYMAN

343 S. Dearborn St.  
Chicago 4, Ill.

### Learn

FOR  
PLEASURE  
OR PROFIT

•  
TO START  
YOUR OWN  
BUSINESS

•  
TO IMPROVE  
YOUR  
PROPERTY

### LANDSCAPE GARDENING

A thorough interesting home training covering your regional conditions for both those who wish to become LANDSCAPERS, DESIGNERS and GARDENERS, and those who wish to learn for their own use and pleasure.

**EMPLOYEE TRAINING**  
Nurserymen from Maine to California are using this training to upgrade employees. It may be of help to your organization.

Send for FREE BOOK  
APPROVED FOR VETERANS

**NATIONAL LANDSCAPE INSTITUTE**  
Dept. N-5, 310 S. Robertson, Los Angeles 36

### ROOT YOUR OWN CUTTINGS IN SAND

In a box, Greenhouse or Hotbed. Scientific instructions, including culture. Price \$1.00. It is easy, in an amazingly short time, to root cuttings of Camellias, Azaleas, Gardenias, Roses, Kewgreens and other plants, in sand, any time of the year, with our simple instructions.

**NATIONAL NURSERIES**  
Dept. AN Biltz, Miss.

### CHARLES SIZEMORE Traffic Manager

319½ Georgia St., Louisiana, Mo.

Loss and damage claims against railroad and express companies collected.

Freight bills audited.

Past due notes and accounts collected.

Well known to the nurserymen of the country.

Reference: Bank of Louisiana.

### SNEED NURSERY COMPANY

P. O. Box 798

Oklahoma City, Okla.

small concerns are represented on the board. These men conducted as much business in two days as most trade associations would accomplish in a week."

The minutes of the meeting were taken by Mary Burlingame, who had recently joined the organization as secretary to Mr. Lincke.

Jack Lincke, Sec'y.

### ASSOCIATION EXHIBIT.

Charles Armstrong, Capital Nursery Co., Sacramento, Cal., president of the California Association of Nurserymen, has announced the appointment of a 20-man committee to draw plans for the official exhibit of the association at the California state fair, at Sacramento, August 28 to September 7. This will be the first time in the group's history that an official entry will be made at the fair.

### SAN JOAQUIN MEETING.

The April 15 meeting of the San Joaquin Valley Nurserymen's Association was called to order by President Willis B. Stribling after twenty-eight members and guests had enjoyed a dinner at the Good Luck tea room, Fresno, Cal. All ladies adjourned to the home of Mrs. George Goodhue after dinner.

C. C. Cockran, of the American Peat Co., Stockton, Cal., was introduced and received as a new affiliate member.

A committee for arousing interest in the coming state convention to be held at San Diego was appointed by the president. It consists of the following members: A. J. Straub, Straub Seed Store & Nursery, Fresno; L. P. Sorensen, of L. P. Sorensen Nurseries, Bakersfield, and Fred W. Anderson, Merced.

The president announced the arrival of the decals of the state association seal from the state office and stated that members of the chapter could purchase them from the secretary. One decal was issued to each member with the compliments of the president.

The president announced the membership had increased to the point where the chapter was allowed two directors to the state association. The new director is to be elected at the next meeting.

Jack Lincke, executive secretary of the California Association of Nurserymen, was introduced and in turn introduced Wray Hiltabrand, assistant supervisor of nursery service of the California department of agriculture. Mr. Hiltabrand spoke on the policies of and services rendered by

## STOCK IN STORAGE READY FOR IMMEDIATE DELIVERY

	Per 100	Per 1000
<b>Althea, Named Varieties, Assorted</b>		
5000 12 to 18 inches	\$ 8.00	\$ 80.00
10,000 18 to 24 inches	12.00	120.00
3000 2 to 3 feet	15.00	125.00
5000 3 to 4 feet	20.00	150.00
3000 4 to 5 feet	25.00	200.00
<b>Honeysuckle Bella Albida and Morrowi</b>		
1200 3 to 4 feet	30.00	250.00
<b>Honeysuckle, Tatarian Pink</b>		
1000 2 to 3 feet	25.00	200.00
<b>Privet, Amur River North</b>		
5000 12 to 18 inches, 2 br. and up	5.50	45.00
5000 12 to 18 inches, 3 br. and up	7.00	60.00
10,000 2 to 3 feet, 4 br. and up	12.00	90.00
7500 3 to 4 feet, 4 br. and up	15.00	100.00
2000 4 to 5 feet, 5 br. and up	20.00	150.00
<b>Spiraea Vanhouttei</b>		
11,000 18 to 24 inches	15.00	100.00
<b>Boston Ivy</b>		
4000 2-year, medium	20.00	150.00
4500 2-year, No. 1	25.00	180.00
1800 3-year, No. 1	30.00	250.00
<b>Barberry Thunbergi</b>		
15,000 3 to 6-inch seedlings	4.00	30.00
<b>Honeysuckle Bella Albida and Morrowi</b>		
10,000 12 to 18 inches, lining-out	5.00	40.00
12,000 18 to 24 inches, lining-out	6.00	50.00
<b>Salix Niobe (Willow)</b>		
4500 2 to 3 feet, lining-out	4.00	30.00
<b>Roses, Paul's Scarlet Climbing</b>		
	Per 10	Per 100
2000 2-year, No. 1	\$ 4.50	\$ 40.00
5000 2-year, No. 1½	3.50	30.00
<b>Apple Trees</b>		
1000 Red Delicious, 11/16 to 1-inch	5.50	50.00
1000 Grimes Golden, 11/16 to 1-inch	5.50	50.00
500 Jonathan, 11/16 to 1-inch	5.50	50.00
1000 Stayman Winesap, 11/16 to 1-inch	5.50	50.00
1000 Yellow Transparent, 11/16 to 1-inch	5.50	50.00

250 at thousand rate; 25 at hundred rate.

## ONARGA NURSERY CO., INC.

ONARGA, ILLINOIS

### SURTEES' LABOR REPORT FORMS

Control Your Operating Costs

- Form No. 1 Landscaping Projects.
- Form No. 2 Cost by Operations.
- Form No. 3 Cost by Orders.
- Form No. 4 Nursery Operations.
- Form No. 5 Delivery Costs.

100 for \$ 4.00

500 for \$18.00

1000 for \$30.00

Packing and postage free if check accompanies order.

Minimum of 100 of any number.

**JOHN SURTEES**

Cost Analyst Ridgefield, Conn.

### Wholesale growers of SMALL FRUIT PLANTS

Grapes, Currants and Raspberries—our specialty.

Hydrangea P. G.

**FOSTER NURSERY CO., INC.**

69 Orchard St. Fredonia, N. Y.

### 1,500,000

Fruit Trees, General Line.

Combination Fruit Trees.

Flowering Shrubs

Shade Trees

Roses

Be wise, shop around; get our prices before you buy. Watch the mail for our early summer wholesale list.

### SISK NURSERIES

Winchester, Tenn.

### TAXUS VERMEULEN

A compact upright grower. Each 12 to 14 ins., XXX (bushy) B&B. \$2.50 16 to 18 ins., XXX, B&B. 2.75 Crating, no extra charge; cash with order.

**LUCKHARDS' NURSERIES**  
B.R. 2 Sebewaling, Mich.

## NORTHERN - GROWN STOCK

For the very best transplants, get our northern-grown seedlings. Any experienced nurseryman knows that 2-yr. seedlings are the best for well shaped transplants for lining out in 2 years. Get the best.

Per 1000

Douglas Fir, 2-yr. seedlings,  
2 to 3 ins. .... \$30.00

Douglas Fir, 2-yr. seedlings,  
1 to 2 ins. .... 20.00

Black Hills Spruce, 2-yr. seedlings,  
1 to 2 ins. .... 15.00

Colo. Blue Spruce, 2-yr. seedlings,  
2 to 3 ins., these run the highest percentage of Blues we ever grew .... 25.00

Ostrich Plume Ferns, hardy, 2 1/2 to 3 ft., multiply by runners. We have repeat orders on these from 30 states. They are a very good salesyard item. Large clumps, \$6.00 per 100.

Satisfaction guaranteed. Good packing. Prompt service.

Cash or satisfactory references. No C.O.D.

**J. R. PALMER & SON**  
Blackduck, Minn.

## SURPLUS LIST

**PEACHES** Each

300 Early Elberta, 1-yr., 9/16-in. . \$0.25

200 Early Elberta, 1-yr., 5/16-in. . .18

250 Red Bird, 1-yr., 9/16-in. . .25

300 Halehaven, 1-yr., 9/16-in. . .25

300 Halehaven, 1-yr., 5/16-in. . .18

300 Belle of Georgia, 1-yr., 7/16-in. . .20

300 Jubilee, 1-yr., 7/16-in. . .20

300 each of the above varieties in 12 to 18 ins., 8c each.

**CHERRIES** Each

100 Windsor Sweet, 9/16-in. . \$0.70

100 Windsor Sweet, 5/16-in. . .50

150 Hansen Bush, 2-yr., heavy. . .20

**CURRENT**

100 Red Lake, 2-yr., heavy. . .25

**GRAPES**

3000 Niagara, 1-yr., heavy. . .06

All stock in storage and in perfect condition; guaranteed to please.

**V. P. BASHAM**  
Mountainburg, Ark.

## CULTIVATED BLUEBERRY PLANTS

1, 2 and 3-year Cultivated Blueberry plants.

From \$1000.00 to \$2000.00 per acre taken in from this crop this past summer in Eastern states. New Jersey grows more blueberries than the other states combined. The cultivated blueberry originated in this state.

1-yr., well rooted plants, none better anywhere. \$3.00 per doz.; \$18.00 per 100. 2-yr., 8 to 12 ins., \$5.00 per doz.; \$35.00 per 100. 2-yr., 12 to 15 ins., \$8.00 per doz.; \$60.00 per 100. 3-yr., \$12.00 per doz.; \$90.00 per 100. List sent.

Also Sunset Red Raspberry plants, heavily rooted, carry special raspberry certificate, \$5.00 per 100; \$35.00 per 1000.

**WARREN SHINN,** Woodbury, N. J.

## SAGE

Broad-leaved Garden Sage, strong, 1-year plants, \$8.00 per 100; \$75.00 per 1000. Prepaid and free packing for cash with order.

**PRITCHARD NURSERIES**  
Ottawa, Kansas

the nursery service. Discussion followed his talk. Mr. Lincke reported on state office activities.

The next meeting is to be held May 20, at the Good Luck tearoom, Fresno, Cal.

Vance V. Edmonson, Sec'y.

## CENTRAL CALIFORNIA NURSERYMEN MEET.

For the first time in several years the Central California Nurserymen's Association met at San Jose, Cal. The occasion was the monthly meeting at Lou's Village, April 10. In spite of the comparatively long drive for many of the members the attendance was about average, a compliment to the Santa Clara county members of the group, who have faithfully traveled long distances to attend the meetings in the past few years.

Among the guests introduced were Max Leonard, San Mateo county agricultural commissioner; John Aiken, one of the old-timers among the estate gardeners in the bay area, now located at Orinda; Wray Hiltabrand, nursery service, California department of agriculture, Sacramento, and Jack Lincke.

The speaker of the evening was Peter Valinga, Dutch bulb specialist, Burlingame, who has furnished bulbs to greenhouses and nurseries in the bay area for many years. Mr. Valinga gave a brief history of bulb growing and explained why some kinds of bulbs do well in given areas, while other similar ones fail in the same areas. He gave some results of his many years' experience in bulb growing and listed the kinds which experience had shown him do well locally. These included the following varieties of tulips: Advance, a cerise-scarlet cottage with a blue base; Blue-parrot, described as a bluish-heliotrope; City of Haarlem, the largest of the blood-red Darwins and though an old-timer still one of the best for this part of the country; Clara Butt, a rosy-red Darwin; Dido, a salmon-orange cottage; Golden-harvest, a deep lemon cottage; Jeanne Desoi, a Rembrandt which is yellow as it opens, but turns red later in its flowering period, and La Tulipe Noire, the famous black tulip which in itself was not too highly recommended, but which is popular to a limited degree because "everyone knows of the black tulip and likes to see it." Mr. Valinga said that in a given light the La Tulipe Noire looks wine-colored rather than black, but in the light at the meeting and out of the direct sunlight it seems to be dark enough that one may really consider it a black flower.

Additional recommended tulip va-

## THANK YOU

At the close of our Spring Season we wish to thank all our many customers for the nice business they have favored us with. Keep us in mind when in need of **Apple, Peach, Cherry, Pear and Plum** for Fall shipment.

## EGYPTIAN NURSERY & LANDSCAPE CO.

PHONE 64 FARINA, ILL.

## THE NEW PIXWELL

ushers in a new era in **Gooseberry** growing. Easy to pick, hardy and most productive, the Pixwell puts profit in gooseberries.

Write for price.

**BERGESON NURSERY**  
Fertile, Minn.

## FRUIT TREES

## HARRISON BROTHERS NURSERIES

G. Hale Harrison, General Manager  
BERLIN, MARYLAND

## WE OFFER...

Our General Line of

## SMALL FRUIT PLANTS

Let us quote on your requirements.

**L. J. RAMBO'S WHOLESALE NURSERIES**  
Bridgman, Michigan

## We wish to purchase...

Evergreens, Fruit Trees, Shrubs, etc.

Send your surplus list to  
**THE PONTIAC NURSERY CO.,** Romeo, Mich.



**5000**  
**Juniperus virginiana,**  
 8 to 12 ins., from pots.  
 Per 100, **\$18.00**

**3000**  
**Taxus cuspidata,**  
 5 to 7 ins.  
 Per 100, **\$20.00**

This stock now in greenhouse benches; ready for shipment May 1.

**HOOK'S NURSERY**  
 6 N. Main St.  
 Mt. Prospect, Ill.

### **SURPLUS** **STRAWBERRY PLANTS**

New Robinson, Dunlap, Blakemore and Gem Everbearing.  
 Write, Wire or Phone collect for special prices.

**ANNA STRAWBERRY NURSERY**  
 F. G. Anderson, Prop.  
 Phone 340, 299R Anna, Ill.

### **RED RHUBARB**

Chipman's Canada Red  
**\$40.00 per 100, \$325.00 per 1000**

Write for prices on larger quantities. Buy the best.

**KEELER'S GARDENS**  
 Sioux Falls, So. Dak.

### **BEGINNING IN THE NURSERY BUSINESS**

By John J. Pinney  
 Valuable suggestions and counsel for nurserymen of limited experience. Complete series of articles reprinted from issues of American Nurseryman.

50 cents per copy.

Special rates on quantity lots.

**AMERICAN NURSERYMAN**  
 343 S. Dearborn St., Chicago 4, Ill.

rieties included: Mr. Vanzije, said by the speaker to be the best pink Darwin; Whitercity, a tall-growing white cottage; Zwanenburg, "still the best white Darwin"; The Bishop, a large-flowered, deep bluish Darwin, and Clusius, a wild tulip that is a good novelty.

Mr. Valinga believes that tulips are easy to grow. He would not, even under questioning, agree that any special soil mixture was better than another; he did not recommend the use of fertilizer for either forcing or outdoor home garden tulip growing, and he did not favor the use of peat in tulip culture. He summarized his cultural directions by suggesting any kind of soil, good bulbs and plenty of water at the right time.

Mr. Hiltabrand, of the nursery service, was asked to describe its functions. He responded by listing the work of himself and his aids throughout the state in the granting of nursery licenses; inspection of nurseries by either state or county inspectors who are able to advise the growers of troubles before they are serious, often finding new pests; pinto tag certification; enforcement of the grades and standards law; protection of nurserymen from shipment into the state of off-grade stock; the compilation of an annual horticultural census and a listing of the buyers and sellers of nursery stock, which is available to all, and the provision of advice and information on insect and disease control and the latest methods of plant protection. He added that there are about 130 pinto tag firms in the state, and already there are seven in the bay area, a good rating, as the pinto tag arrangement is new in this area. He said that there is a plan under way to add to the services of the department for the certification of deciduous budwood stocks which would be free of certain virus diseases. This is similar to the plan already in effect in the citrus areas.

Before the meeting adjourned, announcement was made of tree-planting week, February 12 to 22, and Arbor day, the last Friday in April. Nurserymen were urged to plan for these two events, which have been established by legislative resolution. By encouraging their proclamation by local authorities each year, it is thought that tree planting can be increased, but it is up to the nurserymen in each community to see to it that action is taken and publicity is given the events.

The next meeting of the Central California association will be May 8. W. B. B.

	Each	
	5 to 24	25 to 100
Moline Elm	24	100
Lining-out. Cut under in nursery row.		
200 6 to 8 ft.	\$1.00	\$0.90
200 8 to 10 ft.	1.35	1.20
150 1 to 1 1/2 in.	1.50	1.35
100 1 1/2 to 2 in.	1.75	1.60
100 2 to 2 1/2 in.	2.00	1.75
Specimens		
46 4 to 4 1/2 in.	11.00	10.00
16 4 1/2 to 5 in.	16.00	...
Sycamore Occidentalis		
50 2 1/2 to 3 in.	4.00	3.50
30 3 to 3 1/2 in.	5.75	4.75
14 3 1/2 to 4 in.	6.50	...
Gleditsia Triacanthos Inermis		
125 2 to 2 1/2 in.	4.00	3.50
25 2 1/2 to 3 in.	5.25	4.50
Crataegus		
25 Coccinea, 3 to 4 ft.	1.25	...
80 Coccinea, 4 to 5 ft.	2.00	1.75
100 Punctata, 4 to 5 ft.	2.00	1.75
100 Punctata, 5 to 6 ft.	3.50	3.00
100 Punctata, 6 to 8 ft.	4.00	3.75
100 Prunifolia, 6 to 8 ft.	4.00	3.75
B&B extra.		

### **Arlington Landscape Nurseries**

Nurserymen and Landscape Contractors  
 Arlington Heights, Ill.

Harvey G. Klehm  
 216 E. Hawthorne St.  
 Arlington Heights: 1375-J

Nursery located on Golf Road  
 (Route 58, Elgin to Evanston Road)  
 1 1/2 blocks East of Arlington Heights  
 State Road.

Pink Dogwood  
 Shade Trees  
 Evergreens  
 Flowering Shrubs  
 Fruit Trees in General Line  
 For 1947 Fall Delivery  
 Write for Prices  
 Grow Contracts  
 1-yr.-old Apple, Cherry, June  
 Bud Peach, Plum, Apricots, Nectarines, and 1-yr. old Peach.

1948 delivery

### **RIVERSIDE NURSERY**

Hawkersmith & Sons  
 Winchester, Tenn.

**Boyd**  
 NURSERY COMPANY

McMinnville, Tenn.

**ORNAMENTAL SHRUBS  
 SHADE TREES, VINES  
 FOREST TREE SEEDLINGS  
 LINING-OUT STOCKS**

### SAN FERNANDO MEETING.

The general meeting, April 9, of the San Fernando Valley Nurserymen's Association, at the Patio restaurant, Van Nuys, Cal., was called to order by President Bill Powell, presiding as ringmaster of the evening. A circus theme was carried out in the table decorations, and balloons and streamers hanging from the ceiling added to the atmosphere. Mrs. Verne McIntyre and Mrs. L. Young were thanked for the decorations and presented with corsages, following the talk of L. A. Lee, Lee's Fuchsia Gardens, Burbank, on fuchsias.

The chapter's method of handling new subjects was discussed. The business is brought before the board of directors for discussion, instead of spending a whole evening at the general meetings on one subject. If a person cannot appear at the board meeting, he is instructed to present his subject to a member of the board for presentation at the meeting.

The following visitors were introduced: Dud Thompson, representative of Liquid-Gro; Matt Frolich, wholesale citrus grower; D. J. Malen, California Gardens Nursery, Sunland, and Art Currier and L. J. Peel, Tarzana Nursery, Tarzana.

Verne McIntyre moved that the bylaws and constitution be approved as printed. Twenty-one members were present, and a unanimous vote was given. Mr. McIntyre also explained the landscape architect and retail licenses. President Powell appointed a committee to work with Henry Carter on the San Fernando Valley state fair, to be held September 19 and 20 at San Fernando park. The committee consists of: Eric Regan, Green Arrow Nursery, Van Nuys; Gene Giannulli, M. G. Nursery, North Hollywood, and L. Peel, Tarzana Nursery, Tarzana. Those interested in participating in the Kiwanis Club flower show, May 25, were urged to do so.

Paul E. Lombard, secretary-treasurer, gave a financial report and explained that the decals of the state association seal would be sold through him to members of the San Fernando Valley Nurserymen's Association. The next meeting, May 20, will be conducted by state Secretary Jack Lincke.

Paul E. Lombard, Sec'y.

FRED STENSSON, of Sheridan Nurseries, Ltd., Toronto, Ont., was awarded a citation for landing a 52½-pound sailfish in the twelfth annual metropolitan Miami fishing tournament at Miami, Fla., recently.

## RICH & SONS NURSERY

### Offers

a general line of Nursery Stock. Write for catalog.  
Retail catalogs in color available to the trade at cost.  
40-page general catalog, 30c  
32-page Bulb and Rose Catalog, 25c

## RICH & SONS NURSERY

Rte. 4, Hillsboro, Ore.

## OREGON - GROWN ROSES

We have left in storage a good assortment of varieties in all colors. Some climbers.

All No. 1½ grade at  
**\$40.00** per 100.

Prompt express shipments.

Terms: Cash with order.

(These are all Oregon-grown in good dormant condition).

—As Always—

Oregon's Best Source  
of Good Roses

## PETERSON & DERING

Rose Growers  
Scappoose, Oregon

## ORDER NOW

for 1947-48

Apple Seedlings

Pear Seedlings

Chinese Elm Seedlings

We specialize in these items.

Our quality is tops.

## WASHINGTON NURSERIES

Toppenish, Wash.

## PACIFIC COAST NURSERY

2244 N. Skidmore Ct.

Portland 11, Ore.

Pioneer seedling growers on the Pacific Coast since 1914.

Specializing in fruit tree seedlings. Angers Rooted Quince Cuttings, Chinese Elm Seedlings, Norway Maple Seedlings and English Privet.

We also have Norway Maples, 3-yr. branched, and Norway Whips and E. W. Birch, 3 yrs. old, well branched.

We aim to please with quality stock.

John Holmason & Sons, Props.

KENNETH F. SIMS, who will specialize in landscape architecture, has opened Sims Nursery at Main and Third streets, Palo Alto, Cal.

NORTH FAIRFIELD NURSERY is being established at Fairfield, Cal., by D. E. Willis. Fruit trees and bare-root shrubs, as well as bedding plants and grapevines, are featured.

## PROPAGATION OF PLANTS

By

M. G. Kains and L. M. McQuestion

Comprehensive and Up to Date

A complete practical guide for the grower to the working methods of plant propagation by seeds, layers, grafting and budding.

Tells the how and why of all processes.

More than 600 pictures shown in 350 plates.

640 pages—Price, \$3.50

## AMERICAN NURSERYMAN

343 So. Dearborn St., Chicago 4, Ill.

TERRACE LAWN GARDENS are a new nursery opened at Albany, Ore., by Uriah and Margaret Roth.

## CALIFORNIA NOTES.

Byrmar Gardens Nursery, Downey, has been taken over by George F. Merrick and will be operated as the Downey Nursery. Mr. Merrick operated another nursery at Downey, but was forced to vacate to make room for housing developments.

R. C. Barnes, who has been a plant pathologist with the department of agriculture, with headquarters at Sacramento, has resigned to take a position as nematologist with the agricultural college, with headquarters at the citrus experiment station, Riverside. He will devote most of his time to studying the effects of the citrus nematode on citrus plantings in the state. This pest has not previously been considered of much economic importance, but in the past few years it has been found to be doing an immense amount of damage.

The University of California recently published a bulletin giving directions for the construction of a soil fumigator. This is the first time that such a publication has been issued, indicating the interest in this development in modern agriculture.

P. H. Brydon, who for many years was in charge of the botanical gardens of the University of California at Berkeley, is now a rhododendron specialist and is producing plants for the trade in Washington. He was recently in the bay area, visiting nurserymen who handle this plant and giving talks to home gardeners.

Jerry O'Tolle, who has been San Francisco manager for the Germain Seed & Plant Co., has resigned to go into the nursery and garden supply business at San Jose.

Ken Wilson, who has been calling on the trade in the state for the California Spray-Chemical Corp., Riverside, has resigned and will own and operate the Garden City Feed & Seed Co., at Redwood City. In addition to the store, this organization does a large business in contract spraying for the estates on the peninsula and the commercial fruit growers in the area. W. B. B.

## KILLS WEEDS IN NURSERY.

In observations on the use of chemical weed killers, the newsletter to nurserymen issued bimonthly by the bureau of nursery service of the Oregon state department of agriculture cites an interesting case.

A grower of ornamental nursery stock found that morning-glory, or bindweed, had grown into some of his plants. So he experimented with the kill-or-cure method and sprayed some plants of each species. He re-

## PORTLAND WHOLESALE NURSERY CO.

306 S. E. 12th AVENUE Avery H. Steinmetz PORTLAND, OREGON

## Quality Stock

CONIFERS AND BROAD-LEAVED  
EVERGREENS  
SHADE AND FLOWERING TREES  
FRUIT TREE SEEDLINGS  
FRUIT TREES  
DECIDUOUS SHRUBS  
VINES AND BULBS  
PORTLAND ROSES

## CAMELLIA LINERS

From 2 1/2-in. pots. Ready June.

Our list contains very fine varieties. Highest quality guaranteed.

Rubber Budding Strips  
Tree and Pot Labels

Write for our Catalog

## A. MCGILL &amp; SON

FAIRVIEW, OREGON

Wholesale Only

GOOD WESTERN-GROWN  
NURSERY STOCK

Fruit Tree Seedlings  
Flowering Ornamental Trees  
Shade Trees

Grown right and packed right.  
Combination carloads to Eastern  
distributing points will save you  
on freight.

## MILTON NURSERY CO.

MILTON - Since 1878 - OREGON

Flowering, Ornamental and  
Shade Trees

Oregon and Washington-grown  
Fruit Tree Seedlings

Angers Quince  
Rooted Cuttings

Our Combination Carlots to  
Eastern Distributing Points assure  
minimum transportation cost.

Use your letterhead for correspondence.

We still have quite a number of  
Camellias, Rhododendrons, Specimen  
Boxwood, Nandinas and Green  
Aucubas. Will try and fill your  
needs on other stock in smaller  
quantities.

## F. A. DOERFLER &amp; SONS

150 N. Lancaster Dr. Salem, Ore.  
Phone: 21175 Salem



## SHERWOOD NURSERY CO.

EVERGREENS - Propagators & Growers  
141 S. E. 65th Ave., PORTLAND 16, ORE.

## NOTICE

Limited production makes it impossible  
to book orders for new customers.

## HOWARD ROSE COMPANY

Hemet, California

## BALED SHINGLE TOW

(CEDAR SHAVINGS)

## WM. A. JOHNSTON

408 Postal Bldg., Portland 4, Ore.

## DOTY &amp; DOERNER, Inc,

6691 S. W. Capitol Highway

Portland 1, Oregon

Wholesale Growers  
of  
General Nursery Stock



## NURSERY LABELS IN 25c PACKS

THE EFFICIENT WAY TO  
MERCHANDISE LABELS



Two Hundred 25c Packs That Retail  
for \$50.00 Cost You \$25.00, Less 5%  
If You Mail Check With Order.

**CARSCALLEN**

*Nursery Label Company*  
65 WEST UNION ST., PASADENA, CALIF.

## NURSERY PACKING

Wood Feathers (Baled Red Cedar Shavings) are valuable to use when packing bare roots or deciduous stock for shipment because of their large moisture-absorbing capacity. Will keep roots moist in transit or storage. The most economical of packing materials and the easiest to use.

**Wood Feathers**

MONARCH SHINGLE CO.

P.O. Box 37, North Portland, Ore.



WRITE  
FOR

FREE SAMPLE AND PRICE LIST

• WOSCO LABELS •

2307 S. E. 25TH AVENUE, PORTLAND 2, OREGON

ported no injury on Pfitzer juniper, Colorado blue spruce, Norway spruce and Berckmans arborvitae. Broad-leaved evergreens were injured by 2,4-D. Azaleas were found susceptible to injury. English laurel was stunted and retarded, but not killed.

These observations are stated to be not complete enough to warrant general use of the weed killer, as this application was experimental in character.

## FLORIDA STRENGTHENS CITRUS QUARANTINE.

More stringent regulations against the entry of citrus plants and plant parts from California and entirely excluding California oranges have been promulgated by the Florida state plant board, Gainesville, in an endeavor to keep the new and serious disease known as quick decline from gaining entry into Florida. Quick decline has been determined to be due to a virus. It is quite similar to tristeza.

For years, the board has prohibited entry of citrus plants, budwood, scions and certain fruits because of the risk of introducing citrus canker, according to Arthur C. Brown, plant commissioner. The rule has been amended to mention quick decline, a virus disease now killing orange trees on sour orange rootstock in California.

Under the revised rule, only such plants and plant parts, including fruits, as are moving under permits issued by the Florida plant board or the United States Department of Agriculture may come into Florida. The state board has not issued permits for plants for several years.

THE spring daffodil show of the McDonnell Nursery, Oakland, Cal., which was held April 11 to 13, featured unusual varieties shipped from its bulb growers' farms by air express.

TWO California nurserymen, Noel Pennington, of Pennington Camellia Nursery, San Carlos, and Raymond Axell, of Axell & Sons nursery, Redwood City, are recovering from injuries incurred when the truck in which they were riding collided head-on in the fog with a car on the Bayshore highway, near San Carlos. Oral surgery will be necessary for the broken jaw suffered by Mr. Pennington, who also had facial lacerations and a fractured kneecap. Mr. Axell was confined to his home with possible concussion, broken ribs and bruises.



**This car is running  
with an "EMPTY" gas tank!**

**E**VEN AFTER the gas gauge says "empty" a modern car can keep going for a good many miles. Here's why.

Automobile manufacturers know human nature. They figure that, sooner or later, we'll get careless, or misjudge how far we have to go. So the gas gauge is set to show "empty," while there are still a couple of gallons left in the tank.

**This reserve supply** is a swell idea that has kept many a family from getting stuck. It's an even better idea for a family's budget!

A *reserve supply of dollars* is a life-saver in case of financial emergency. It will keep your family going if sudden illness strikes, or unexpected expenses show up.

And one of the easiest ways to build just such a cash reserve is *buying U. S. Savings Bonds on the Payroll Savings Plan!*

What's more, the money you save in Bonds buckles right down and starts *making more money*—in just 10 years you get back \$100 for every \$75 you put in today.

**So keep on buying Bonds** on the Payroll Plan. Buy all the extra Bonds you can, at any bank or post office. And remember, every Bond you buy plays a part in keeping the U. S. strong and economically sound!

**Save the easy way..buy your  
bonds through payroll savings**

Contributed by this magazine in  
co-operation with the Magazine  
Publishers of America as a public  
service.



*Producing*  
**THE WEST'S FINEST**  
*Lining-Out*  
**ORNAMENTAL STOCK**

Most varieties ready for immediate shipment.

Large color illustrated wholesale catalog available on request.



**monrovia**  
*Nursery Co.*  
Duarte Rd. at Myrtle Ave.  
P. O. Box 196 Monrovia, Calif.

**PEACH PITS**

CALIFORNIA LOVELL SEEDS

Also

Apricot and Myrobalan Seeds.

1947 Crop.

By ton or car.

Write for prices.

**GRAY NURSERIES**

P. O. Box 498 Elverta, Calif.

**Send for Our Seed List.**

**A. B. C.**

**"Supreme" Quality**

**SEEDS — PLANTS — BULBS**

and

Growers' Accessories

**AMERICAN BULB CO.**

1335 W. Randolph St. CHICAGO 7  
31 W. 27th St. NEW YORK 1

**SEEDS**

Collectors of Tree, Shrub and Wild Flower Seeds  
Crude Drugs and ornamentals

**E. C. MORAN** Stanford, Mont.

**Pronouncing Dictionary**

of Plant Names and Botanical Terms

64 pages, 3000 names, **25¢** per copy

**AMERICAN NURSERYMAN**

343 S. Dearborn St. Chicago 4, Ill.

**OBITUARY**

**S. James Todd.**

S. James Todd, who had been continuously associated with the advertising department of the Conard-Pyle Co., West Grove, Pa., for the past forty-three years, died April 21 at West Grove. With his wife, Marion E. Todd, he had gone to West Grove in 1904 from Ireland by way of Canada. He was the personal friend of many amateur rose growers in the eastern United States.

He is survived by his widow; his son, Harry E. Todd, associated with the Penn Mutual Life Insurance Co. of Philadelphia, Stamford, Conn.; his daughter, Eileen T. DeHart, and his granddaughter, Jeanne E. DeHart; his brother, Harry C. Todd, and two stepsons.

**Joseph Gerardi.**

Joseph Gerardi, owner and operator of the Gerardi Nursery, O'Fallon, Ill., died April 3 at his home. His son, Louis Gerardi, is carrying on the business at Caseyville, Ill., under the name of Louis Gerardi Nursery. In addition to his son, Joseph Gerardi is survived by his widow, Mrs. Eleanor Gerardi, and four daughters.

**Jacob Wessels.**

Jacob Wessels, proprietor of Wessels' Nursery, German Valley, Ill., died March 10 at a hospital at Freeport, Ill. where he had been a patient for ten days suffering from pneumonia.

Mr. Wessels was born at German Valley, where he had been engaged in the nursery business for the past eighteen years. He did considerable landscape work in the near-by communities of Rockford and Freeport.

Surviving are his widow and three brothers. Mrs. Wessels is planning to continue the business through the spring season, but is undecided about plans for the nursery in the future.

**JANE AXLINE** is owner and operator of Blue Valley Nursery, Lancaster, O. A former member of the WAC, she has been in the nursery business eight years.

THE brand name, "Henderson's Tested Seeds," introduced in 1847 by Peter Henderson & Co., New York city, was awarded a centennial certificate of public service by the Brand Names Foundation at a luncheon meeting, April 18, at the Hotel Waldorf-Astoria, New York city.

**CAMELLIAS**  
**IN 2 1/4-inch POTS**  
**POPULAR COLLECTION**—Includes 50 plants in 20 different varieties, all individually labeled. Popular varieties included in this collection.  
\$27.50 per collection.

**FANCY COLLECTION**—Includes 50 plants in 20 different varieties, all individually labeled. This collection contains all newer and more recent varieties.  
\$45.00 per collection.

**RARE COLLECTION**—Includes 50 plants in 20 different varieties, all individually labeled. This collection contains varieties that are rare.  
\$65.00 per collection.

We have available hundreds of varieties of Camellias. When larger orders come in, we will try to ship as many varieties as possible.

**BOUARDIA ALBATROSS**

Per 100 Per 1000  
2 1/2-inch pots ..... \$32.00 \$295.00

**GARDENIAS**

2 1/2-inch Pots  
Per 100 Per 1000  
Veitchi ..... \$27.50 \$250.00  
Grandiflora ..... 27.50 250.00

Mystery (Cape Jasmine) ..... 45.00 425.00  
4-inch pots, \$20.00 more per 100.

**GERANIUMS**

Assorted and Ivy-leaved Varieties.  
Per 100  
Rooted Cuttings ..... \$ 7.50  
2 1/4-inch pot ..... 15.00  
3-inch pot ..... 30.00  
20 varieties, all individually labeled. Our choice. We will try to ship varieties you specify, if possible.

**PELARGONIUMS**

Available in 20 varieties, including new varieties.

Per 100  
Rooted cuttings ..... \$12.00  
2 1/2-inch pots ..... 25.00  
4-inch pots ..... 60.00

**FUCHSIAS**

Available in 30 varieties in double, single and basket types. Individually labeled. Our selection.  
Per 100  
2 1/4-inch pots ..... \$20.00  
4-inch pots ..... 60.00  
5-inch pots ..... 75.00

**DAISIES**

Per 100  
Transvaal Daisy, single, mixed... \$14.00  
Transvaal Daisies, about 70% doubles mix ..... 22.50  
Yellow Marguerites, 2 1/4-inch pots 14.00  
White Marguerites, 2 1/4-inch pots 14.00

Per 1000  
White and Yellow Marguerites, rooted cuttings ..... \$75.00

**BAMBOO CANE STAKES**

Special sizes supplied on request. Dyed green. Pencil thickness.

Contents	Price
Per Bale	Per 1000
1 1/2 feet ..... 1000	\$ 5.00
2 feet ..... 1000	6.50
3 feet ..... 1000	9.00
3 1/2 feet ..... 1000	10.25
4 feet ..... 1000	12.50
4 1/2 feet ..... 1000	15.00
5 feet ..... 1000	18.50
6 feet ..... 1000	25.00

Write for our new 56-page catalog.

**NURSERYMEN'S EXCHANGE**

938 Howard St. San Francisco 3, Cal.

# CLASSIFIED ADS

25 cents per line.

Minimum order, \$2.00.

## BERRY PLANTS

**PIXWELL GOOSEBERRIES AND NEWBURY, RUDDY, LATHAM AND CHIEF RASPBERRIES.** All Raspberries No. 1, heavy, \$50.00 per 1000. Pixwell Gooseberries, 2-yr., heavy, \$30.00 per 100. 2-yr., light, \$18.00 per 100. Schwab Gooseberry, new seedling, world's largest gooseberry, berries often 1 1/2 in. in diameter, highest quality, hardy, productive, 1-yr. heavy, \$7.50 per 10. Arrowhead, New Minn., 1118 Strawberry, very firm, extremely hardy, \$40.00 per 1000. 10 per cent discount for cash. The Pixwell Gooseberry, originated by Dr. Yeager, of the North Dakota experimental station, is on the recommended fruit list of Minnesota and the Dakotas and will soon be the leading variety. According to the North Dakota station bulletin, Pixwell bears 50 per cent more than Carrie, and the berries are about twice as large. Bush is vigorous, extremely hardy; berries of super quality, sweet, easy to pick, can be eaten out of the hand. Blossoms and berries will stand 18 degrees Fahr. frost and bear 100 per cent crop. Such a frost will practically kill nearly all other fruits.

**SCHWAB FRUIT FARM & NURSERY**  
220 N. Fifth St. Mankato, Minn.

## CERTIFIED RASPBERRY PLANTS

Can ship on a few hours' notice.

	Per 100	Per 1000
Indian Summer, No. 1.....	\$5.00	\$40.00
Indian Summer, transplants.....	7.00	60.00
Chief, No. 1.....	4.00	30.00
Sunrise, No. 1.....	4.25	32.50
Sunrise, No. 2.....	3.25	22.50
Taylor, No. 1.....	5.00	40.00
Newburgh, No. 1.....	4.50	35.00
Milton, No. 1.....	6.50	55.00

**BAKER'S NURSERIES, Hoosick Falls, N. Y.**

## CULTIVATED BLUEBERRY PLANTS

Returns last summer were from \$1000.00 to \$2000.00 per acre for the growers of these berries. 1-yr. plants, \$3.00 per doz.; \$18.00 per 100. 2-yr., 12 to 15 ins. high, \$8.00 per doz.; \$60.00 per 100. 3-yr., \$12.00 per doz.; \$90.00 per 100. List sent.

**WARREN SHINN, Woodbury, N. J.**

## STRAWBERRY PLANTS

Certified, hardy Northern-grown Dunlap, \$7.50 per 1000. 10,000 and up, \$7.50 per 1000. Premier and Holmar, \$10.00 per 1000. These are young, healthy, freshly dug plants, packed to reach in good condition.

**IOWA NURSERY, Farmington, Iowa**

## RED SUNRISE RASPBERRY PLANTS

Superb stock, heavily rooted. Carry special New Jersey Raspberry certificate. None better. \$5.00 per 100; \$35.00 per 1000.

**WARREN SHINN, Woodbury, N. J.**

Nurseryman for 40 yrs.

Dunlap, Blakemore, Aroma and Klondike Strawberry plants, \$6.75 per 1000; \$60.00 for 10,000. Plants stat. inspected, irrigated, guaranteed to reach you in good growing condition.

**RILEY'S NURSERY, Concordia, Kansas**

Special WEYMOUTH BLUEBERRY PLANTS

2-yr., \$15.00 per doz.

**WARREN SHINN, Woodbury, N. J.**

## BULBS AND TUBERS

### 30,000 DAHLIA ROOTS.

We offer strong divisions, best cut-flower varieties that stand hot, dry weather. They produce largest and most blooms for you.

	Each
5000 Heart of Milwaukee, dec., golden bronze.....	25c
5000 Kentucky Sun, dec., golden yellow.....	25c
5000 City of Wellston, dec., wine-red.....	25c
5000 Rose Glory, dec., deep rose-pink.....	25c
5000 Frances LaRoco, dec., canary-yellow.....	25c
500 Ave Maria, dec., orchid-lavender.....	30c
5000 Florists' mix., all colors and types.....	10c
1000 Amber Queen, pompon, amber and apricot.....	15c

Special: 12 each above, 96 roots for only \$12.98.

Rush order today. Terms: Cash with order, please.

**PAYNE DAHLIA FARM**  
Rt. 5, Kansas City, 2, Kan.

## BULBS

Narcissus—trumpets, polyanthus, barri, incomparablis, Jonquilla, Snowflakes. Land sold; must be moved by June 1.

## EVERGREEN NURSERIES

Box 181, Camden, S. C.

Best varieties, healthy, clean, blooming-size Daffodils, Narcissus and Jonquilla, mixed, \$25.00 per 1000, \$40.00 per 2000. Sample, \$3.00 per 100.

**MRS. CHARLIE ROBINSON, Greenville, Ga.**

## IRIS KAEMPFERI

The modern orchid of the garden. This great gift of the Orient has become a must for all outdoor gardeners.

Large divisions of choice varieties in mixed colors: \$5.00 per 25, \$16.00 per 100 and \$148.00 per 1000.

## HEMEROCALLIS

Kwanoo Flore Plena, the only double Day Lily known. Prize-winner of the Royal Horticultural Society. Large double, rich golden-bronze flowers, 3 to 4 ft. tall, bloom July and August. Blooming-size clones.

\$5.00 per 25, \$16.00 per 100 and \$148.00 per 1000.

Cash with order please

**BROOKFIELD GARDENS**  
Route 6, Delaware, N. J.

## SPECIAL GLADIOLUS SALE

	Per 1000
5000 Margaret Fulton, No. 1.....	\$26.00
7000 Maid of Orleans, No. 3.....	17.00
4000 Rosa Van Lima, No. 1.....	27.00
5000 Picardy, No. 1.....	27.50
10,000 Picardy, No. 3.....	19.00
5000 Dr. Bennett, No. 1.....	27.00
5000 Snowprincess, No. 3.....	19.00
2000 Polar Ice, No. 3.....	23.00
10,000 Beacon, No. 3.....	18.00
10,000 Maid of Orleans, No. 1.....	28.00
5000 Miss Bloomington, No. 1.....	27.00

Cash, or C.O.D.  
**HOWARD STREET PANSEY GARDENS**  
P. O. Box 963, Kalamazoo 99, Mich.

## QUALITY LILY BULBS

	Per 100
Lilium Rubrum, 16 to 18 cm.....	\$40.00
Lilium Henry, 22 to 26 cm.....	30.00
Lilium Regale, 5 to 6 cm.....	8.50
Lilium Regale, 6 to 7 cm.....	10.50
Lilium Regale, 7 to 8 cm.....	13.00
Lilium Regale, 8 to 9 cm.....	18.00

Cash, or C.O.D.  
**MONARCH PLANT FARMS**  
Kalamazoo 99, Mich.

## GLADIOLUS BULBS.

State inspected—Highest quality.  
Prices per 1000 Nos. 1 2 3 4

Mixed (good varieties).....\$22.50 \$18 \$15 \$13

Named Color Varieties.....25.00 20 16 14

Cash with order, please.

**F.O.B. Benton Harbor, Mich.**

**MICHIGAN GLADIOLI FARM**

R. No. 1, Benton Harbor, Mich.

"Where Michigan's Finest Gladioli Grow"

**CANNA BULBS, \$5.00 per 100; \$40.00 per 1000.**

Hungaria (tall pink), King Humbert (red), The President (red), Wyoming (yellow), Pennsylvania (orange and red).

Mixed Cannas, \$30.00 per 1000; this includes some of our best varieties.

**BENTON COUNTY NURSERY CO., INC.**

Rogers, Arkansas

## CANNAS, SELECT STOCK

200,000 The President, rich scarlet; 4 ft., green foliage; carefully grown under our personal supervision, guaranteed true to name; strong 2 to 6-eye divisions, liberally graded; \$5.00 per 100, \$40.00 per 1000.

**MRS. CHARLIE ROBINSON, Greenville, Ga.**

## HEMEROCALLIS

Surplus plants—strong divisions, 14 different varieties, not labeled, but kept separate. \$15.00 per 100. Cash with order please.

**LOUIS C. SCHULZ**

750 Flint St., Lake Orion, Mich.

## 100,000 CANNAS

Best varieties, mixed, healthy strong roots with plenty of eyes, liberally graded. \$20.00 per 1000; sample 100 for \$3.00.

**MRS. CHARLIE ROBINSON, Greenville, Ga.**

## EVERGREENS

### LINING-OUT STOCK

1-yr. rooted cuttings from field beds.

	Per 100	Per 1000
1000 Ret. plumosa aurea.....	\$12.00	\$110.00
100 Ret. biflora aurea.....	15.00	150.00
200 Ret. biflora, green.....	12.00	120.00
200 Ret. plisifera aurea.....	15.00	150.00
1000 Thuja occ. compacta.....	12.00	110.00
400 Thuja occ. Hovey.....	12.00	110.00
500 Thuja occ. globosa.....	12.00	110.00
3000 Taxus cuspidata, spreading.....	12.00	110.00
2000 Taxus cuspidata, upright.....	15.00	140.00
200 Juniperus pfitzeriana.....	17.50	175.00
1000 Calliandra purpurea.....	5.00	40.00
500 Spiraea prunifolia.....	5.00	45.00
2000 Deutzia Lemoine.....	5.00	45.00
2000 Deutzia gracilis.....	5.00	45.00
2000 Rooted Cuttings From Greenhouse.....	8.00	75.00
4000 Ret. plumosa aurea.....	10.00	90.00
1000 Ret. plumosa, green.....	10.00	90.00
5000 Taxus cuspidata, spreading.....	10.00	90.00
4000 Taxus cuspidata, upright.....	12.00	110.00
500 Taxus cuspidata brevifolia.....	12.00	110.00
200 Taxus cuspidata intermedia.....	12.00	110.00
500 Taxus cuspidata hatfieldi.....	12.00	110.00
200 Taxus cuspidata hickelii.....	12.00	110.00
500 Juniperus sin. pfitzeriana.....	15.00	150.00
1000 Thuja occ. globosa.....	10.00	90.00
2000 Thuja occ. compacta.....	10.00	90.00
400 Thuja occ. Hovey.....	10.00	90.00
200 Thuja occ. Peabody.....	12.00	110.00
500 Tuga canadensis, 2-yr. seedlings.....	10.00	100.00

**BROUWER'S NURSERIES**

624 Montauk Ave., New London, Conn.

## AMERICAN NURSERYMAN

### LINING-OUT STOCK

Immediate delivery. Write for 1947 wholesale price list. Over 375 varieties of hardy Chrysanthemums. All stock grown right—graded right—packed right—shipped promptly.

**APRICOT Seedlings (Blenheim)**

Per 100 Per 1000

Leading canning and shipping hardy apricot; grows and fruits well from seed.

1/4-in. ....\$4.00 \$35.00

3/16-in. ....3.50 30.00

2/16-in. ....2.50 20.00

**ROSA MULTIFLORA (Thorny Japanese Rose)**

2 to 3 mm. bushy 1-yr. adgls. 2.95 25.00

**ENGLISH OAK (Quercus Robur)**

6 to 12 ins., 2-yr. adgls., L. O. 3.00 25.00

12 to 18 ins., 2-yr. adgls., L. O. 4.50 40.00

18 to 24 ins., 2-yr. adgls., L. O. 5.50 50.00

2 to 3 ft., 3-yr. adgls., L. O. 7.50 70.00

3 to 4 ft., 3-yr. adgls., L. O. 9.00 85.00

4 to 6 ft., 4-yr. adgls., L. O. 12.50 100.00

**BUDDLEIA (Everblooming Butterfly Bush)**

DUBONNET, 8 to 12 ins., 2-in. pots.....10.00 90.00

(Write for wholesale price list of other Buddleias.)

**FORSYTHIA SPECTABILIS (Giant Showy Golden Bell)**

4 to 6 ins., 1-yr. ctg., L. O. 3.00 25.00

6 to 12 ins., 1-yr. ctg., L. O. 4.00 35.00

12 to 18 ins., 1-yr. ctg., L. O. 5.00 45.00

18 to 24 ins., 1-yr. ctg., L. O. 6.00 55.00

**PRIVET, AMUR RIVER NORTH (Ligustrum Amurense)**

4 to 6 ins., 1-yr. ctg., L. O. 2.50 20.00

6 to 12 ins., 1-yr. ctg., L. O. 3.25 27.50

12 to 18 ins., 1-yr. ctg., 3 br. 4.50 40.00

ctg., L. O. ....4.25 37.50

12 to 18 ins., 1-yr. ctg., 2 br. 5.00 45.00

**PRIVET, CALIFORNIA (Ligustrum Ovalifolium)**

4 to 6 ins., 1-yr. ctg., L. O. 2.00 15.00

6 to 12 ins., 1-yr. ctg., L. O. 2.50 20.00

9 to 12 ins., 1-yr. 3 br. ....3.50 30.00

12 to 18 ins., 1-yr. ctg., L. O. 3.25 27.50

12 to 18 ins., 1-yr. 3 br. ....3.75 32.50

**LONICERA FRAGRANTISSIMA (Fragrant Winter Honeysuckle)**

4 to 6 ins., 1-yr. ctg., L. O. 3.00 25.00

6 to 12 ins., 1-yr. ctg., L. O. 3.50 30.00

12 to 18 ins., 1-yr. ctg., L. O. 4.50 40.00

12 to 18 ins., 1-yr. 3 br. ....6.00 55.00

18 to 24 ins., 1-yr. ctg., L. O. 5.00 45.00

18 to 24 ins., 1-yr. 3 br. ....8.00 75.00

**GOLDEN SPIRAEA (Physocarpus Opulifolius Luteus)**

6 to 12 ins., 1-yr. ctg., L. O. 3.50 30.00

**SPIRAEA VANHOUTTEI (Van Houtte Spirea)**

6 to 12 ins., 1-yr. ctg., L. O. 3.50 30.00

12 to 18 ins., 1-yr. ctg., L. O. 4.50 40.00

**TAMARIX AFRICANA (African Tamarix)**

4 to 6 ins., 1-yr. ctg., L. O. 3.00 25.00

6 to 12 ins., 1-yr. ctg., L. O. 4.00 35.00

12 to 18 ins., 1-yr. ctg., L. O. 5.00 45.00

**WEIGELA ABEL CARRIERE (Everblooming Rose W.)**

6 to 12 ins., 1-yr. ctg., L. O. 4.50 40.00

12 to 18 ins., 1-yr. ctg., L. O. 5.50 50.00

**WEIGELA AMABILIS (Giant Pink Weigela)**

4 to 6 ins., 1-yr. ctg., L. O. 2.50 20.00

6 to 12 ins., 1-yr. ctg., L. O. 3.50 30.00

12 to 18 ins., 1-yr. ctg., L. O. 4.50 40.00

**WEIGELA ROSEA (Rose Weigela)**

4 to 6 ins., 1-yr. ctg., L. O. 2.50 20.00

6 to 12 ins., 1-yr. ctg., L. O. 3.50 30.00

12 to 18 ins., 1-yr. ctg., L. O. 4.50 40.00

**GOLDEN ELDER (Sambucus Aurea)**

12 to 18 ins.....3.50 30.00

18 to 24 ins.....4.50 40.00

**CUT LEAF ELDER (Sambucus Acutifolia)**

6 to 12 ins.....3.50 30.00

12 to 18 ins.....4.00 35.00

18 to 24 ins.....5.00 45.00

**BOHLENDER NURSERIES CO.**

Box AN-1, Tipp City, Ohio

### JUST ARRIVED FROM HOLLAND

HEALTHY, HARDY IMPORTED



## CAMELLIAS, 2 1/2-IN. POTS.

Our next stock will be ready for shipment in June. These cannot be too highly recommended as plants that are grown for one purpose only, and that to supply our trade with Camellias that have been grown with exceptional care and attention. We have a good selection to offer, a few of which are listed here. Complete list on request.

Covina	.....\$0.25	Grande Fl. Rosea	.....\$0.50
Clarke's Red	.....25	Monarch	.....50
Pink Perfection	.....25	Rhapsody	.....50
Valverde	.....25	Rose Queen	.....50
Purity	.....35	Bolen's No. 101	.....60
Briar Rose	.....40	Brilliant	.....60
Hugh Evans	.....40	Chandleri Elegans	.....60
Jordan's Pride	.....40	Dia Kagura	.....60
P. Baccioli	.....40	Blood of China	.....75
Bella Romana	.....50	Pope Plus	.....75

Add 2c per plant packing charge.  
L. E. COOKE CO.

417 Vista St. San Gabriel, Cal.

We will deliver, subject to your approval, native-grown in black dirt, state inspected, B&B, anywhere in Indiana, Illinois, eastern Iowa, southern Wisconsin, southern Michigan or western Ohio, in 100 lots or assorted hundreds.

Mugo Pine, 15 to 24 ins.	\$1.85.
Irish Juniper, 4 to 5 ft., 4-yr.	\$1.60.
Savin Juniper, 15 to 24 ins., 3-yr.	\$1.60.
Baker Arborvitae, 3 to 4 ft., 3-yr.	\$1.60.
Greek Juniper, 18 to 24 ins., 3-yr.	\$1.60.
White Pine, 3 to 4, 4 to 5 ft., 1-yr.	\$1.60.
White Spruce, 15 to 30 ins., 1-yr.	\$1.60.
Scotch Pine, 4 to 5 ft., 2-yr.	\$2.50.
Golden Berkman's Arborvitae, 15 to 24 ins., 3-yr.	\$1.50.

This is not bargain counter stock. We dig fresh stock for each order. If stock will be larger, add 15c per tree.

Write or telephone collect.  
NELSON NURSERY & LANDSCAPE SERVICE  
5630 W. Ridge Rd. P. O. Gary, Ind.  
Tel.: Griffith 160W2

## 225 COLORADO SPRUCE

	10 rate - each	
	Green	Blue
1 1/2 to 2 ft., xxx, B&B	\$1.90	\$ 4.25
2 to 2 1/2 ft., xxx, B&B	2.75	6.50
2 1/2 to 3 ft., xxx, B&B	3.50	7.00
3 to 3 1/2 ft., xxx, B&B	4.75	8.75
3 1/2 to 4 ft., xxx, B&B	5.00	10.00
4 to 5 ft., xxx, B&B	11.00	

## 100 NORWAY SPRUCE

2 to 2 1/2 ft., xxx, B&B	\$1.50
2 1/2 to 3 ft., xxx, B&B	2.25
3 to 3 1/2 ft., xxx, B&B	2.75
3 1/2 to 4 ft., xxx, B&B	3.50
4 to 5 ft., xxx, B&B	4.50

F.O.B. Nursery, Beetle Zone only. Truck delivery within 125 miles at cost.  
BROOKFIELD GARDENS  
Route 6 Delaware, N. J.

## LINING-OUT STOCK

	Per 100	Per 1000
Pachysandra Terminalis	\$ 4.00	\$ 40.00
Red Jap. Maple, pot gr., grafts	75.00	
Andromeda Jap., pot gr., E.C.	25.00	200.00
Taxus cuspidata, 1-yr. bedded	15.00	125.00
Taxus capitata, 1-yr. bedded	25.00	
Taxus Hicksi, 1-yr. bedded	15.00	125.00
Taxus Hatfieldi, 1-yr. bedded	15.00	150.00
Taxus brevifolia, 1-yr. bedded	20.00	
Taxus canadensis, 2-yr. tr.	7.00	60.00

Complete list of liners, including Azaleas, Rhododendrons, etc., on demand.

VERKADE'S NURSERIES, Wayne, N. J.

## LINING-OUT STOCK

	Per 100	Per 1000
Taxus cuspidata	\$20.00	\$180.00
1-yr., 2-in. pot.	25.00	225.00
1-yr., 3-in. pot.	25.00	225.00
8 to 10 ins. tr.	35.00	325.00
Taxus intermedia	20.00	180.00
1-yr., 2 1/2-in. pot.	25.00	225.00
Taxus media hicksi	20.00	180.00
1-yr., 2-in. pot.	25.00	225.00
1-yr., 3-in. pot.	25.00	225.00
8 to 10 ins. tr.	35.00	325.00
10 to 15 ins. tr.	50.00	

## COTTAGE GARDENS, Lansing 15, Mich.

## LINING-OUT STOCK

Rooted cuttings of the following evergreens for summer and fall delivery. Fitzers, Savins, Excelas Stricta, Canadian, Irish and Andorra Juniper; Taxus Canadensis, Golden, Gigantea, Globe and Pyramidal Arborvitae; Retinospora Plumosa Aurea, \$3.00 per 100; \$55.00 per 1000. Pleased to quote you on large orders. 5 per cent discount cash with order. 25 per cent down will hold, no discount, balance C.O.D. We may be able to supply a few thousand May and June delivery after present orders are filled.  
WELLS M. DODDS, North Rose, N. Y.

## STRONG ROOTED CUTTINGS

	Per 100	Per 1000
Taxus cuspidata	\$10.00	\$ 80.00
Taxus cuspidata capitata	12.00	
Taxus cuspidata erecta	12.00	
Taxus intermedia	12.00	100.00
Taxus media hatfieldi	12.00	100.00
Taxus media hicksi	10.00	80.00

## THE COTTAGE GARDENS, Lansing 15, Mich.

GARDENIA MYSTERY LINERS for 3-inch pots, FLORIDA NURSERY & LANDSCAPE CO., Box 97, Leesburg, Fla.

100 Irish Juniper, 2 1/2 to 3 ft.	\$2.00
200 Irish Juniper, 3 to 4 ft.	2.50
200 Irish Juniper, 4 1/2 to 5 ft.	3.00
200 Irish Juniper, 5 to 6 1/2 ft.	3.50
200 Ashfordi Juniper, 4 to 4 1/2 ft.	3.25
75 Swedish Juniper, 4 to 4 1/2 ft.	3.50
75 Spiny Greek J., 2 1/2 to 3 ft.	3.25
50 Sargent Juniper, 2 1/2 to 4 ft.	5.00
50 Pfitzer J., 4 1/2 to 5 ft. (heavy)	7.50
50 Pyracantha Lalandi, 3 to 3 1/2 ft.	
B&B	3.00

HENTSCHEL'S NURSERY, Crete, Ill.  
Telephone: Chicago Heights 3720

	Per 100
Pinus resinosa (Red Pine), XX,	\$20.00
16 to 30 ins.	
Pinus resinosa (Red Pine), XXX,	
14 to 20 ins.	35.00
Picea glauca (White Spruce), 4-yr.,	
2 to 5-in. seedlings	3.00
Picea pungens (Colorado Blue), 4-yr.,	
2 to 5-in. seedlings	3.00
Pseudotsuga taxifolia (Douglas Fir),	
2-yr., 3 to 6-in. seedlings	3.50
Minimum order	\$10.00

SUNCREST EVERGREEN NURSERIES  
Johnstown, Pa.

Azalea Hexe, Christmas Cheer, Pink Pearl, Hinodegiri, strong transplants, \$17.50 per 100.

Azalea Mollis, 2-year transplants, \$15.00 per 100.

Rhododendron, 2-year transplants, Catawbiense, Ponticum and Discolor hybrids, \$25.00 per 100.

Accumulated order of 500 or more, 10 per cent discount. Less than 50, 20 per cent plus. Crating free. Cash with order, please.

RICHARD P. RESSEL  
Mulino, Oregon

## ROOTED CUTTINGS FOR SPRING

	Per 100
2000 Taxus media browni	\$ 9.00
2000 Taxus cuspidata nana	11.00
4000 Taxus cuspidata	15.00
4000 Taxus cuspidata capitata	15.00
2000 Taxus media hatfieldi	10.00
7000 Taxus cuspidata nigra	8.50

Cash with order.

Shipped prepaid immediately.

SUNNYBROOK FARM NURSERY  
Chesterland, Ohio.

## DIG-SELF SPECIALS

White Birch, 2-inch cal., \$2.00 each, \$12.50 per 100.

Red Maple, 1 1/2 to 2-inch cal., \$1.50 each, \$12.50 per 100.

Beautiful Pfitzers, 3-ft. spread, \$3.50. Mughos, 2 1/2 ft., \$2.75. Austrian Pine, 8 ft., \$3.50. One block of 600 Pfitzers, 18-inch spread, \$2.00 each, or \$1000.00 for the 600. Black Hills Spruce, 2 ft., \$2.50 each, or \$200.00 per 100.

ANN ARBOR NURSERY, Ann Arbor, Mich.  
(Opposite Island Drive)

Phone: 257702

3000 CANADA HEMLOCK, XXX, B&B, clay loam

1 1/2 to 2 ft., \$1.50; 2 to 2 1/2 ft., \$2.00; 2 1/2 to 3 ft., \$2.50; 3 to 3 1/2 ft., \$3.00; 3 1/2 to 4 ft., \$4.00.

Will trade for assorted pyramidal evergreens if your stock is not in the beetle zone. Due to labor shortage, notify date you send truck.

DAVID KANEFF NURSERY  
Route 375 Marietta, Ohio

## ROOTED EVERGREEN CUTTINGS

	Per 100
Pfitzer Juniper	\$10.00
Irish Juniper	8.00
Andorra Juniper	10.00
Pyramidal Arborvitae	10.00
Sticta Juniper	9.00
Retinospora	8.00

May Delivery

SANDERS GREENHOUSE and NURSERY  
R. D. No. 1 Monongahela, Pa.

## CAMELLIAS

Container-grown Camellias of proven merit exclusively.

J. S. TORMEY  
Temple City, California

Wholesale Grower of the Best from the Far West.

## NEW INTRODUCTION

AZALEA HINO-CRIMSON

Showy, clean, crimson-red, nonfading flower. Large, glossy, dark green foliage. Excellent forcer. A cross between Hinodegiri and Amoena and harder than Hinodegiri. Ask for color photo. From 2 1/2-in. pots, \$25.00 per 100; limit, 250. Cash with order.

JOHN VERMEULEN & SON, INC.  
Westbury, L. I., N. Y.

## CHRISTMAS TREE LINERS

2-yr. seedlings, \$30.00 per 1000.

10,000 Norway Spruce, 4 to 5 ins.

5000 Colorado Blue Spruce, 2 to 4 ins.

10,000 Pitch Pine, 8 to 12 ins.

3000 Douglas Fir, 4 to 10 ins.

JOHN D. NORTHRUP  
R. D. 1 Conneaut, Ohio

AZALEAS, SNOW AND PINK, Good Spread, 2 to 3 ft., \$10.00 per 100; 3 to 4 ft., \$15.00 per 100.

MRS. CHARLIE ROBINSON, Greenville, Ga.

## AZALEA ROOTED CUTTINGS

100,000 Formosa and some other Indian varieties available for shipment after December 1. \$6.50 per 100; \$60.00 per 1000. No charge for packing. FLORIDA NURSERY & LANDSCAPE CO., P. O. Box 97, Leesburg, Fla.

RED AND WHITE PINE—\$4.00 to 10.00

Red and White Pine Trees, 3 to 4 feet in height. Buyer to select and remove from present location at Easton, Conn. Reasonably priced for early removal and sales in volume. Inquire J. R. ECKART, R. F. D. 4, Madison Ave., Bridgeport, Conn.

LINING-OUT STOCK

Blota Orientalis, 1-yr. seedlings 3 to 6 ins. Free packing, \$20.00 per 1000.

EVERGREEN ACRES

U. S. Route 13, McDonough, Del.

P. O. Middletown, Del.

DOUGLAS FIRS

3 to 12 inches, \$10.00 per 100; \$75.00 per 1000. 18 to 36 inches, \$25.00 per 100. Carefully gathered and packed.

COASTAL GARDENS

Sheridan, Ore.

PLATTE RIVER JUNIPER, twice-transplanted, sheared once, compact, nice trees. Shipped bare-root, mudded, 24 to 32 ins., \$60.00 per 100. THE HARRIS GARDENS, Enterprise, Kansas.

Write for our list of Azaleas, Rhododendrons and Boxwood.

LEVICK NURSERY CO.

R. F. D. 3 Bridgeton, N. J.

## FRUIT TREES

MINNESOTA APPLES AND PLUMS

4 to 5 to 6 to 6 to 7 to 7 to 8 to 8 to 9 to 9 to 10 to 10 to 11 to 11 to 12 to 12 to 13 to 13 to 14 to 14 to 15 to 15 to 16 to 16 to 17 to 17 to 18 to 18 to 19 to 19 to 20 to 20 to 21 to 21 to 22 to 22 to 23 to 23 to 24 to 24 to 25 to 25 to 26 to 26 to 27 to 27 to 28 to 28 to 29 to 29 to 30 to 30 to 31 to 31 to 32 to 32 to 33 to 33 to 34 to 34 to 35 to 35 to 36 to 36 to 37 to 37 to 38 to 38 to 39 to 39 to 40 to 40 to 41 to 41 to 42 to 42 to 43 to 43 to 44 to 44 to 45 to 45 to 46 to 46 to 47 to 47 to 48 to 48 to 49 to 49 to 50 to 50 to 51 to 51 to 52 to 52 to 53 to 53 to 54 to 54 to 55 to 55 to 56 to 56 to 57 to 57 to 58 to 58 to 59 to 59 to 60 to 60 to 61 to 61 to 62 to 62 to 63 to 63 to 64 to 64 to 65 to 65 to 66 to 66 to 67 to 67 to 68 to 68 to 69 to 69 to 70 to 70 to 71 to 71 to 72 to 72 to 73 to 73 to 74 to 74 to 75 to 75 to 76 to 76 to 77 to 77 to 78 to 78 to 79 to 79 to 80 to 80 to 81 to 81 to 82 to 82 to 83 to 83 to 84 to 84 to 85 to 85 to 86 to 86 to 87 to 87 to 88 to 88 to 89 to 89 to 90 to 90 to 91 to 91 to 92 to 92 to 93 to 93 to 94 to 94 to 95 to 95 to 96 to 96 to 97 to 97 to 98 to 98 to 99 to 99 to 100 to 100 to 101 to 101 to 102 to 102 to 103 to 103 to 104 to 104 to 105 to 105 to 106 to 106 to 107 to 107 to 108 to 108 to 109 to 109 to 110 to 110 to 111 to 111 to 112 to 112 to 113 to 113 to 114 to 114 to 115 to 115 to 116 to 116 to 117 to 117 to 118 to 118 to 119 to 119 to 120 to 120 to 121 to 121 to 122 to 122 to 123 to 123 to 124 to 124 to 125 to 125 to 126 to 126 to 127 to 127 to 128 to 128 to 129 to 129 to 130 to 130 to 131 to 131 to 132 to 132 to 133 to 133 to 134 to 134 to 135 to 135 to 136 to 136 to 137 to 137 to 138 to 138 to 139 to 139 to 140 to 140 to 141 to 141 to 142 to 142 to 143 to 143 to 144 to 144 to 145 to 145 to 146 to 146 to 147 to 147 to 148 to 148 to 149 to 149 to 150 to 150 to 151 to 151 to 152 to 152 to 153 to 153 to 154 to 154 to 155 to 155 to 156 to 156 to 157 to 157 to 158 to 158 to 159 to 159 to 160 to 160 to 161 to 161 to 162 to 162 to 163 to 163 to 164 to 164 to 165 to 165 to 166 to 166 to 167 to 167 to 168 to 168 to 169 to 169 to 170 to 170 to 171 to 171 to 172 to 172 to 173 to 173 to 174 to 174 to 175 to 175 to 176 to 176 to 177 to 177 to 178 to 178 to 179 to 179 to 180 to 180 to 181 to 181 to 182 to 182 to 183 to 183 to 184 to 184 to 185 to 185 to 186 to 186 to 187 to 187 to 188 to 188 to 189 to 189 to 190 to 190 to 191 to 191 to 192 to 192 to 193 to 193 to 194 to 194 to 195 to 195 to 196 to 196 to 197 to 197 to 198 to 198 to 199 to 199 to 200 to 200 to 201 to 201 to 202 to 202 to 203 to 203 to 204 to 204 to 205 to 205 to 206 to 206 to 207 to 207 to 208 to 208 to 209 to 209 to 210 to 210 to 211 to 211 to 212 to 212 to 213 to 213 to 214 to 214 to 215 to 215 to 216 to 216 to 217 to 217 to 218 to 218 to 219 to 219 to 220 to 220 to 221 to 221 to 222 to 222 to 223 to 223 to 224 to 224 to 225 to 225 to 226 to 226 to 227 to 227 to 228 to 228 to 229 to 229 to 230 to 230 to 231 to 231 to 232 to 232 to 233 to 233 to 234 to 234 to 235 to 235 to 236 to 236 to 237 to 237 to 238 to 238 to 239 to 239 to 240 to 240 to 241 to 241 to 242 to 242 to 243 to 243 to 244 to 244 to 245 to 245 to 246 to 246 to 247 to 247 to 248 to 248 to 249 to 249 to 250 to 250 to 251 to 251 to 252 to 252 to 253 to 253 to 254 to 254 to 255 to 255 to 256 to 256 to 257 to 257 to 258 to 258 to 259 to 259 to 260 to 260 to 261 to 261 to 262 to 262 to 263 to 263 to 264 to 264 to 265 to 265 to 266 to 266 to 267 to 267 to 268 to 268 to 269 to 269 to 270 to 270 to 271 to 271 to 272 to 272 to 273 to 273 to 274 to 274 to 275 to 275 to 276 to 276 to 277 to 277 to 278 to 278 to 279 to 279 to 280 to 280 to 281 to 281 to 282 to 282 to 283 to 283 to 284 to 284 to 285 to 285 to 286 to 286 to 287 to 287 to 288 to 288 to 289 to 289 to 290 to 290 to 291 to 291 to 292 to 292 to 293 to 293 to 294 to 294 to 295 to 295 to 296 to 296 to 297 to 297 to 298 to 298 to 299 to 299 to 300 to 300 to 301 to 301 to 302 to 302 to 303 to 303 to 304 to 304 to 305 to 305 to 306 to 306 to 307 to 307 to 308 to 308 to 309 to 309 to 310 to 310 to 311 to 311 to 312 to 312 to 313 to 313 to 314 to 314 to 315 to 315 to 316 to 316 to 317 to 317 to 318 to 318 to 319 to 319 to 320 to 320 to 321 to 321 to 322 to 322 to 323 to 323 to 324 to 324 to 325 to 325 to 326 to 326 to 327 to 327 to 328 to 328 to 329 to 329 to 330 to 330 to 331 to 331 to 332 to 332 to 333 to 333 to 334 to 334 to 335 to 335 to 336 to 336 to 337 to 337 to 338 to 338 to 339 to 339 to 340 to 340 to 341 to 341 to 342 to 342 to 343 to 343 to 344 to 344 to 345 to 345 to 346 to 346 to 347 to 347 to 348 to 348 to 349 to 349 to 350 to 350 to 351 to 351 to 352 to 352 to 353 to 353 to 354 to 354 to 355 to 355 to 356 to 356 to 357 to 357 to 358 to 358 to 359 to 359 to 360 to 360 to 361 to 361 to 362 to 362 to 363 to 363 to 364 to 364 to 365 to 365 to 366 to 366 to 367 to 367 to 368 to 368 to 369 to 369 to 370 to 370 to 371 to 371 to 372 to 372 to 373 to 373 to 374 to 374 to 375 to 375 to 376 to 376 to 377 to 377 to 378 to 378 to 379 to 379 to 380 to 380 to 381 to 381 to 382 to 382 to 383 to 383 to 384 to 384 to 385 to 385 to 386 to 386 to 387 to 387 to 388 to 388 to 389 to 389 to 390 to 390 to 391 to 391 to 392 to 392 to 393 to 393 to 394 to 394 to 395 to 3

## HARDY PLANTS—Continued

## CHRYSANTHEMUMS

New and Better Hardy Chrysanthemums of Merit.

Especially selected for their outstanding garden value, their usefulness as a cut flower and their brilliant and distinctive color and shades.

	Rooted Cuttings	Potted Plants
	Dox. 100	10 100
Barbara Small	\$1.50	\$10.00 \$2.00 \$15.00
Bokhara	.....	5.00 45.00
Candlelight	2.50	18.00 3.00 25.00
Charles Nye	2.50	18.00 3.00 25.00
Chippewa	2.00	15.00 2.50 20.00
Courageous	3.00	20.00 3.50 30.00
Lavender Lady	1.25	8.00 1.50 12.00
Mme. Chiang Kai-shek	.....	4.50 30.00
Pat. 634	.....	10.00 2.00 15.00
C. R. Hastings	1.25	8.00 2.00 15.00
Mrs. Sam P. Rotan	2.00	15.00 2.50 20.00
My Lady	2.50	18.00 3.00 25.00
Olivia Longland	1.50	10.00 2.00 15.00
Polar Ice	1.50	10.00 2.00 15.00
Red Riding Hood	1.50	10.00 2.00 15.00
September Dawn	1.50	10.00 2.00 15.00
Southwind	.....	5.00 45.00
White Wonder	.....	5.00 45.00
Zantha (Gpiddlocks)	1.50	10.00 2.00 15.00
Medium-sized Double Varieties		
Aviator	2.50	18.00 3.00 25.00
Calceite	2.50	18.00 3.00 25.00
Harbor Lights	1.50	10.00 2.00 15.00
Mandalay	1.50	10.00 2.00 15.00
Single and Semidouble Varieties		
California Red	1.25	8.00 1.50 12.00
Dubonnet	1.50	10.00 2.00 15.00
Early Joan Helen	1.50	10.00 2.00 15.00
Eureka Giant	1.50	10.00 2.00 15.00
Evening Sun	2.00	15.00 2.50 20.00
Ida Brewster	2.50	18.00 3.00 25.00
North Star	1.50	10.00 2.00 15.00
Sigurd	1.25	8.00 1.50 12.00
Summertime, Pat. 639	.....	5.00 45.00
Winsome	2.50	18.00 3.00 25.00
Pompons		
Capt. R. H. Cook	1.25	8.00 1.50 12.00
Fred F. Rockwell	.....	5.00 45.00
Pat. applied for	.....	5.00 45.00
Goblin	1.25	8.00 1.50 12.00
Orchid Jewel	2.00	15.00 2.50 20.00
Pink Doty	1.25	8.00 1.50 12.00
Ruby Pompon	1.50	10.00 2.00 15.00
White Doty	1.25	8.00 1.50 12.00
White Jewel	2.00	15.00 2.50 20.00
Cushion Pompons		
Dwarf Jewel	1.25	8.00 1.50 12.00
September Gold	1.25	8.00 1.50 12.00
Sunbeam	1.50	10.00 2.00 15.00
Azalea or Cushion Mums		
Apricot Glow	2.50	18.00 3.00 25.00
Aurora	.....	3.00 25.00
Nashua	.....	3.00 25.00
Spitfire	2.00	15.00 2.50 20.00
Serene (white)	1.50	10.00 2.00 15.00
Yel. Cushion Sup.	2.50	18.00 3.00 25.00

Send for our complete wholesale list featuring many other varieties of Hardy Chrysanthemums, as well as a complete line of new and better Hardy Plants.

## CARROLL GARDENS

Westminster, Md.

	Per 10	Per 100
Achillea Filipendula, yellow	\$.175	\$12.00
Anthemis Tinctoria Kelwayi, clear yellow	.....	1.50 10.00
Anter Adorable, clear pink	.....	2.00 15.00
Boltonia Asteroides, white	.....	1.50 10.00
Chrysanthemums Maximum		
Alaska (clumps)	.....	1.50 10.00
Mayfield Giant (clumps)	.....	1.50 10.00
Coreopsis Sunburst	.....	1.50 10.00
Delphinium Pacific Hybrids	.....	2.50 18.00
Dianthus, Double, mixed colors	.....	1.50 10.00
Digitalis Giant Shirley	.....	2.00 15.00
Gaillardia Burgandy	.....	1.75 12.00
Gypsophila Oldhamiana, tinted pink	.....	1.50 10.00
Iris, Dwarf Lutea, yellow, clumps	.....	1.50 10.00
Linum Perenne, blue	.....	1.50 10.00
Lupine, Russell's Hybrids	.....	2.00 15.00
Oenothera Youngi, yellow	.....	1.00 5.00
Physalis (Chinese Lantern)	.....	1.50 10.00
Painted Daisy, double pink	.....	1.75 12.00
Painted Daisy, double red	.....	1.75 12.00
Painted Daisy, single and double mixed	.....	1.50 10.00
Tritoma, Pita, Hyb., 2-yr.	.....	1.75 12.00
Tritoma, Pita, Hyb., 1-yr.	.....	1.50 8.00
Veronica Splenda, blue	.....	1.50 10.00
Vinca Minor (Hardy Myrtle), clumps	.....	1.50 10.00
Violets, blue or white	.....	1.50 10.00
Yucca Filamentosa, white	.....	1.50 10.00
Herbs, Chives, Sage, Mint	.....	1.50 10.00

## VITNER'S GARDENS

Manchester, Conn.

## CHOICE HARDY PERENNIALS

Priced per 100; 25 at 100 rate.

Achillea longissima, extra-long spurred, large-flowered yellow	.....	5.00
Aquilegia Lemon, Rose or White	.....	3.00
Daisies, Alaska and Conqueror	.....	3.00
Delphinium belladonna, light blue	.....	2.50
Delphinium Lamartine, dark blue	.....	2.50
Pyrethrum Starlet, dark red	.....	2.50
Pyrethrum, single mixed	.....	4.00

## FLEMING'S FLOWER FIELDS

3100 Leighton Ave. Lincoln, Neb.

## HARDY FIELD-GROWN PERENNIALS OF FIRST QUALITY

All are in the field. Shipment can be made promptly.

AQUILEGIA LONGISSIMA, Yellow. Delicate yellow with extra-long spurs. Fragrant and fine. \$1.50 per 10; \$12.00 per 100.

CARNATION HARDY GRENADIN. The hardest of the Carnations. Very double and very free-flowering; extremely fragrant. Salmon Queen, Golden Sun, King of the Blacks, Rose Queen, Scarlet, White and Yellow. \$1.25 per 10; \$10.00 per 100.

LAVENDULA VERA MUNSTEAD STRAIN. True perennial Sweet Lavender. Extra-fine, heavy plants. \$1.75 per 10; \$15.00 per 100.

LINUM PERENNE (Hardy Blue Flax). Very attractive, with pale blue flowers in June and July. No. 1 plants, \$1.25 per 10; \$10.00 per 100.

VERONICA BLUESPIRE. Medium-growing type that blooms all summer. \$1.75 per 10; \$15.00 per 100.

## HARDY CHRYSANTHEMUMS

These are not divisions, but all are 1 and 2-year-old FIELD CLUMPS. They are just right for particular customers. Free of disease and of first quality. \$1.75 per 10; \$15.00 per 100.

AUTUMN LIGHTS. Very hardy, semidouble, copper-bronze and orange.

EARLY BRONZE. An early-flowering pompon with a beautiful orange-bronze bloom.

GOBLIN. 2-inch blooms of warm bronze, shading to sparkling gold.

GOLDEN CHARM. Double golden-yellow blooms completely cover this thrifty grower.

LAVENDER LADY. Very double, free-flowering, true lavender.

PINK CHARM. Clean 3-inch blooms on strong stems. Pink, with bright yellow center. Strong grower, medium height.

PINK CUSHION. Dwarf plant with hundreds of orchid-pink blooms.

PYGMY GOLD. Fine dwarf, clean golden-yellow pompon, about 1 inch in diameter.

ROSE GLOW. Raspberry-rose-pink. Very neat appearing.

RUTH CUMMINGS. An old-timer, but good. Fine reddish-bronze.

SANTA CLAUS. Large red blooms on a dwarf plant, usually clasped with the cushion mums.

SEPTEMBER CHARM. Yellow, or light bronze, with 2½-inch blooms on good stems. Early bloomer and good grower.

SONNY BOY. Early-blooming yellow pompon. Well named.

## APPALACHIAN NURSERIES

Waynesboro, Pa.

## NEW HARDY EARLY-BLOOMING MUMS

Every nurseryman should grow an assortment of these fine hardy chrysanthemums, as no other item is comparable in producing quick profits.

Our assortments include the New Minnesota, University of Chicago, English and other proved introductions. All selected for hardiness, showy colors, combined with an early, long blooming season.

Our test gardens here in Kansas, where many rigorous winters and hot dry summers are experienced, prove the stamina and prolificness of varieties we grow and sell in these assortments.

You will like our selection of these fine mums which include all types and colors. A gorgeous blooming up-to-date assortment, all labeled true-to-name varieties.

Rooted cuttings ready now or later.

25 Named Var., 2 ea., 50 plants.....\$ 6.50  
25 Named Var., 5 ea., 125 plants..... 12.00  
25 Named Var., 10 ea., 250 plants..... 20.00  
25 Named Var., 20 ea., 500 plants..... 35.00  
50 Named Var., 2 ea., 100 plants..... 10.00  
50 Named Var., 5 ea., 250 plants..... 20.00  
50 Named Var., 10 ea., 500 plants..... 35.00  
100 Named Var., 2 ea., 200 plants..... 20.00  
100 Named Var., 5 ea., 500 plants..... 35.00  
100 Named Var., 10 ea., 1000 plants..... 70.00

Fotted 2-in. Bird Vita-Bands

All labeled (Equal to 2½-in. Clay Pots)  
If you order now and request shipment at planting-out time, plants will be hardened outside, ready for field. This saves the busy nurseryman much labor and expense, besides assuring 100 per cent growth of thrifty blooming plants for fall sales.

25 Named Var., 2 ea., 50 plants.....\$ 8.00  
25 Named Var., 5 ea., 125 plants..... 18.00  
25 Named Var., 10 ea., 250 plants..... 35.00  
25 Named Var., 2 ea., 100 plants..... 15.00  
50 Named Var., 5 ea., 250 plants..... 35.00  
50 Named Var., 10 ea., 500 plants..... 65.00  
100 Named Var., 2 ea., 200 plants..... 30.00  
100 Named Var., 5 ea., 500 plants..... 65.00  
100 Named Var., 10 ea., 1000 plants..... 125.00

Please remit with order. No credit accounts.

Descriptive list on request.

## PRAIRIE SOUTHWEST FLOREUM

R. F. D. 1, Box 103 Fall River, Kan.

## CARNATION CRIMSON KING

Dark red hardy Carnation.

2-inch pot plants, \$18.00 per 100.

FOX NURSERY, Elkhardt, Ind.

Perennial Sweet Lemon Balm, nice stout plants, ready for pots. Extreme fragrance. Sample of 100, \$3.00.

MRS. CHARLIE ROBINSON, Greenville, Ga.

## ROOTED CUTTINGS OF HARDY MUMS

\$1.00 per 10

Aglow, Algonquin, Apricot Glow, Arctic Queen, Aurora, Autumn Lights, Autumn Greetings, Autumn Song, Autumn Tide, Autumn Sunlight, Avalanche, Aviator, Barbara Small, Betty, Bambi, Bonfire, Boreas, Bronze Cushion, Bronze Pyramid, Burma, Butterball, Calceite, Candula, Charles Nye, Chippewa, Champion Cushion, Dahlia Mum, Dee Dee Ahrens, Dean Kay, Dubonnet, Drifted Snow, Duluth, Early Harvest, E. A. Guest, Echoes, E. A. Wander, Ealow, Early Joan Helen, Fireglow, Garden Queen, Glacier, Golden, Grete, Gold Treasures, Harbinger, Harmony, Heatherbloom, Ida, Brewster, Irene, Lavender Lady, Lavender Lassie, Little Eskimo, Lodemine, Louise Schling, Mandalay, Maroon 'N Gold, Morning Glow, Mrs. C. R. Hastings, Monatlino, Mrs. Du Pont, North Star, Olive Longland, Orchid Spout, Pygmy Gold, Pink Radiance, Pipestone, Pink Cushion, Pohatcong, Polar Ice, Primula, Purple Star, Queen Cushion, Red Bank, Red Gold, Red Hussar, Red Riding Hood, Robert Brydon, Reddas, Red Wing, Red Velvet, Sam Williamson, Sequoia, September Dawn, Santa Claus, September Bronze, September Sunshine, Sunbeam, Sundance, Sunkist, Sunny Boy, Sunred, Stalwart, Supreme Yellow, Tasiva, The Chief, Thalia, The Moor, Tusore, Vivid, Violet, Waterlily, Welcome, Wm. Longland, Yellow Cushion, Yellow Irene.

ROOTED CUTTINGS, \$1.50 per 10.

Allegro, Courageous, Garnet, Glowing Coals, Hearthfire, Klondike Gold, Lola, Morning Star, Purity, Serene, Sienna, Simba, Southwind, Zantha.

ENGLISH VARIETIES

ROOTED CUTTINGS, \$1.00 per 10.

Alabaster, Alpik, Balcane Gold, Bronze Buttercup, Bronze Freda, Bronze McLeod, Buttercup, Challenger, Cerise, Crimson Buttercup, Eldorado, Elite, Flashlight, Gold Mine, Gold Standard, Hector, Hillcrest Red, Lela, Maryland Dome, Mrs. Don McIvor, Mrs. T. Guthrie, Red Earlton, Sandy Ritchie, Scarlet Coast, Tiger, Vulcan, Westbourne.

ROOTED CUTTINGS, \$2.00 per 10.

Alexander Mason, Adoration, Avondale White, A. E. Cooper, Cyril Coleman, Crusader, China Gold, Dignity, Don Juan, Forward, Geo. Barnes, Early Ice, Gladiator, Golden Security, Gladstone, Golden Dome, Harvest Moon, Henry Sutcliffe, Hoopoe, Jim Thorpe, John Baxter, LePacole, Mennon, Mrs. J. H. Milner, Orange Glow, Pink Freda, Woking Bronze, Mrs. Smeardon.

Per each, 10 over the 10 rate.

McNINCH GREENHOUSES

St. Joseph, Mo.

## HARDY ENGLISH CHRYSANTHEMUMS

Have you tried the hardy English Chrysanthemums? They have become very popular since they have become better known. We grow nearly 200 varieties of these fine Chrysanthemums and have the following varieties to offer in wholesale quantities. These are ready to ship at any time. State when you want delivery.

ROOTED CUTTINGS, Per 10

ANTELOPE, amber with orange glow.....\$1.00

ALABASTER, early large white..... 1.00

ALPINK, a deep rose-pink..... 1.00

ALFRETON BEAUTY, large golden-amber..... 1.75

AMBER UTOPIA, orange..... 1.75

ADORATION, pink on cream ground..... 1.75

BORDER WHITE, early large white..... 1.00

BUTTERCUP, incurved golden-yellow..... 1.00

BRONZE McLEOD, large bronze..... 1.00

BRONZE BUTTERCUP, bronze, gold reverse..... 1.00

BRONZE FREDA, bronzy salmon..... 1.00

BELLE MAUVE, silvery-pink..... 1.00

BETTY FERGUSON, terra-cotta incurve..... 2.50

BRIDESMAID, delicate salmon-pink..... 2.50

CERISE, bright rosy cerise..... 1.00

CRUSADER, large white, tinted pink..... 1.75

CORONA, bright orange-amber..... 2.50

COPPELIA, bright Indian-red..... 1.50

CHINA GOLD, quilled golden bronze..... 1.00

CHARMWOOD, a bright rosy mauve..... 1.00

CRIMSON BUTTERCUP, crimson, gold reverse..... 1.00

DAFFODIL, large golden-yellow..... 1.00

DAILY EXPRESS, orange-chestnut..... 1.00

ELDORADO, incurved yellow..... 1.00

ELITE, cerise, pink and gold..... 1.00

ENTENCELLENT, crimson, gold reverse..... 1.75

ELF FRIEND, salmon-fawn incurve..... 3.00

GEORGE McLEOD, golden yellow incurve..... 1.75

GOLDEN GEM, golden yellow spray..... 1.75

HENRY SUTCLIFFE, deep yellow incurve..... 1.75

HUNTER, art shade of red; bright; unusual..... 2.50

HOPOE, old rose incurve..... 2.50

MRS. T. GUTHRIE, chestnut, bronze reverse..... 1.00

MRS. T. RILEY, large reflexing white..... 3.50

PINK PROFUSION, profuse pink..... 1.00

SALMON QUEEN, rosy-salmon incurve..... 3.00

TRIXIE, salmon, apricot and pink blend..... 2.50

Send for complete list.

SMITH GARDENS, LEWISTON, IDAHO

## 10,000 NANDINAS

Strong, stout, potting size, well rooted plants, \$10.00 per 100; \$50.00 per 1000.

MRS. CHARLIE ROBINSON, Greenville, Ga.

**GRENADIN CARNATION, HARDY**

Hardy, outdoor carnation. By far one of our best selling items, and it is growing more popular every year. It has proved worth while and delightfully different. Such is its popularity that we seldom have enough to fill our orders.

Crimson King, bright red.....	\$1.75	\$12.00
Golden Sun, yellow.....	1.75	12.00
King of the Blacks, very dark scarlet.....	1.75	12.00
Pink.....	1.75	12.00
White.....	1.75	12.00
Triumph, salmon-pink.....	1.75	12.00
Mixed, in above varieties.....	1.50	10.00
One-year plants in above varieties.....	6.00	

**VITTNER'S GARDENS**

Perennial Growers  
Manchester, Conn.

**HARDY FIELD-GROWN PERENNIALS**

Rhubarb, Chipman's Canada Red, Per 100 2-yr., No. 1 divisions.....	\$35.00
Platycodon, new shell-pink.....	20.00
Delphinium, Pacific Hybrid.....	15.00
Aquilegia, Blue Shades, Copper Queen, Crimson Star.....	10.00
Sage,.....	10.00
Phlox atropurpurea.....	10.00
Phlox paniculata; 200 Apollo Red; 625 Africa; 500 Starlight; 500 Progress; 700 Mary Louise; 800 P. D. Williams; 1000 Colonial; 4000 Mrs. Jenkins; 3500 Rosa Superba; 7000 Wanda.....	10.00

GEORGE M. LILLIE  
Box 126 Essex, Iowa

**HARDY ASTERS**

Strong field clumps, Per 10 Per 100	
ADORABLE (Imp. Harr. Pink) \$2.50 \$20.00	

**COUNTRESS OF DUDLEY**

(Dwarf pink).....	2.50	18.00
NIOBE (Best dwarf white).....	2.50	18.00

**LADY MADDOCKS (Light pink dwarf)**

.....	2.50	18.00
-------	------	-------

**MARJORIE (Dark pink dwarf)**

.....	2.50	20.00
-------	------	-------

No packing charge. Cash please. No C.O.D.

We have over 500,000 new English mums, Cushion mums and other choice hardy varieties. These are offered in rooted cuttings, field clumps and pot plants. Write for list.

**FOX NURSERY**

Elkhart 6, Ind.

**HARDY ENGLISH MUMS**

Strong field clumps, Varieties below at 85c each.

Bronze Buttercup, Crimson Buttercup, Challenger, Gold Standard, Reveller, Rose Princess.

Varieties below at 45c each.

Conqueror, China Gold, Coppella, Elite, Freda, Pink, Leda, Nita, Vulcan, Yellow Gown.

Any varieties 10 for \$3.50.

Cash, please. No packing charge.

Write for complete list of hardy mums and other perennials.

**FOX NURSERY, Elkhart 7, Ind.****MODERN PERENNIALS**

Aster Palmyra, clear pink,..... \$2.50 | \$18.00 |

Aster Blue Lagoon,..... 2.50 | 18.00 |

Aster Violetta, clumps..... 2.50 | 18.00 |

Heliopsis Petula, good cut flower, a new full-double yellow..... 4.00 | 30.00 |

Polemonium (Jacob's-ladder)..... 2.00 | 15.00 |

Blue Pearl, dwarf, very outstanding..... 2.00 | 15.00 |

Veronica, Crater Lake Blue, an improved variety, 12 ins. high. 2.50 18.00

**VITTNER'S GARDENS, Manchester, Conn.**

Perennial Growers

**HARDY CHRYSANTHEMUMS**

One of America's most complete lists (over 275 varieties). All Chrysanthemum stock plants grown and bloomed in our fields. Write for price list of roses, shrubs, trees, fruits, etc.

**BOHLENDER NURSERIES CO.**

(Est. 1849)

Box AN-1 Tipp City, Ohio

**VINCA MINOR**

Good, strong, healthy plants, 8 to 12 ins. tall, 8 to 12 vines to a clump. Well packed for shipment.

Clumps: \$10.00 per 100; \$95.00 per 1000.

**SYLVANIA NURSERY & PEAT CO.**

New Galilee, Pa.

**CUSHION CHRYSANTHEMUMS**

No. 1 rooted divisions, pink, red, bronze, white, yellow, \$25.00 per 1000, F.O.B. Buchanan; 250 assorted colors at 1000 rate. Cash please.

**O. K. NURSERY**

Route 2 Buchanan, Mich.

**TRITOMA FITZGERI**

Large divisions, \$8.00 per 100, \$75.00 per 1000.

**QUALITY GLADIOLUS GARDENS**

St. Anne, Ill.

**PERENNIAL VERBENAS**

Rich scarlet, snow, pink and lavender; large field plants, \$4.00 per 100, \$25.00 per 1000.

MRS. CHARLIE ROBINSON, Greenville, Ga.

Send us your perennial want list.

Perennial price list now available.

**VITTNER'S GARDENS**

Manchester, Conn.

Perennial Growers

**GYPHOPHILA BRISTOL FAIRY**

Grafted, 2-in. pots, \$20.00 per 100; \$180.00 per 1000.

**DELPHINIUM BELLADONNA IMPROVED**

Strong field seedlings, ready to line out. \$2.25 per 100; \$4.50 per 250; \$13.50 per 1000.

August-potted, 2-in., \$7.00 per 100; \$65.00 per 1000. Send for trade list.

**STRATFORD GARDENS, Delaware, Ohio****VIOLAS**

Excellent mixture of well grown Violas. Late summer 1946 coldframe seedling, now in bud and bloom. \$3.00 per 100, \$12.00 per 500, \$20.00 per 1000.

PAUL PFUND NURSERY  
Lake Street Elmhurst, Ill.

**HARDY CHRYSANTHEMUMS**

Send for our 1947 catalog.

Cultural notes on cut flowers and pot plants.

**C. C. BREECE**

Rt. 2, Delaware, Ohio

Strong 1-year field-transplanted Digitalis (Shirley Hybrid) and Coreopsis (Dble. Sunburst), \$6.00 per 100.

NORTH POLE NURSERY  
Cornucopia, Wis.

**BLEEDING HEARTS**

DICENTRA SPECTABILIS, 3 to 5 eyes, \$40.00 per 100. DICENTRA EXIMIA, 3 to 5 eyes, \$20.00 per 100. Cash with order.

J. HENDRICKS, Grower, Portage, Mich.

**HARDY FERNS**

\$6.00 per 100. Ostrich, Lady, Clayton and Maidenhair.

STRAND NURSERY CO.  
Taylors Falls, Minn.

**SEEDS****OSAGE ORANGE SEEDS**

(Maclura, Bois d'Arc)

Clean new crop seeds, \$1.00 per pound net, F.O.B. here. Terms, cash upon receipt and examination.

**RAY WICKLIFFE, Seneca, Kan.**

Over-planted on peach pits. Will June bud and grow varieties desired under contract. 2 full acres. Reasonable. If interested, visit or write.

PACK TRUE-TO-NAME NURSERY CO.  
Box 457 McMinnville, Tenn.

PEACH PITTS, southern-collected; high germination. \$3.00 per bu. Fruit trees; Shrubs.

RIVERDALE NURSERIES, Riverdale, Ga.

**SHRUBS and TREES****LAST CALL—SPECIAL****LINING-OUT STOCK**

Well grown deciduous liners. All dormant condition, priced attractively for immediate shipment. Cash with order, except by special arrangement. Packing extra at cost.

Priced per 1000; 250 or more of one variety at 1000 rate shown. Each per 1000

Acer dasycarpum, 12 to 18 ins..... \$0.63 |

Acer saccharum, 12 to 18 ins..... .04 |

Althaea Ardens, dbl. blue, 12 to 18 ins..... .05 1/2 |

Althaea Jeanne d'Arc, dbl. white, 12 to 18 ins..... .05 1/2 |

Althaea Boule de Feu, dbl. red, 12 to 18 ins..... .05 1/2 |

Aronia arbutifolia, 12 to 18 ins..... .04 1/2 |

Benzoin aestivale, 12 to 18 ins..... .04 1/2 |

Betula nigra (rubra), 12 to 18 ins..... .04 1/2 |

Calycanthus floridus, 12 to 18 ins..... .05 |

Carpinus caroliniana, 12 to 18 ins..... .04 |

Celastrus orbiculata, 12 to 18 ins..... .04 |

Cladrastis lutea, 4 to 6 ins..... .03 1/2 |

Cydonia japonica, 6 to 12 ins..... .05 |

Deutzia crenata, dbl. pink, 12 to 18 ins..... .05 |

Deutzia, Pride of Rochester, dbl. rose, 12 to 18 ins..... .05 |

Euconymus americana, 12 to 18 ins..... .03 1/2 |

Fagus americana (3/16-in.), 12 to 18 ins..... .03 1/2 |

Foraythia fortunei, 12 to 18 ins..... .05 |

Fraxinus americana, 12 to 18 ins..... .03 |

Gleditsia tri. inermis, 6 to 12 ins..... .03 |

Hypericum aureum, 12 to 18 ins..... .04 1/2 |

Liriodendron tulipifera, 12 to 18 ins..... .03 1/2 |

Lonicera fragrantissima, 6 to 12 ins..... .04 1/2 |

Lonicera morrowi, 6 to 12 ins..... .04 1/2 |

Lonicera tat. alba, white, 6 to 12 ins..... .04 1/2 |

Lonicera tat. rosea, pink, 6 to 12 ins..... .04 1/2 |

Lonicera tat. rubra, red, 6 to 12 ins..... .05 1/2 |

Philadelphus coronarius, 6 to 12 ins..... .05 1/2 |

Rhus glabra, 12 to 18 ins..... .03 |

Spiraea callosa rosea, dwarf pink, 6 to 12 ins..... .05 |

Spiraea reevesiana, single white, 6 to 12 ins..... .05 |

Spiraea thunbergi, 6 to 12 ins..... .06 1/2 |

Spiraea vanhouttei, 6 to 12 ins..... .04 1/2 |

Spiraea vanhouttei, 12 to 12 ins..... .06 1/2 |

Ulmus americana, 18 to 24 ins..... .03 1/2 |

Weigela amabilis, light pink, 6 to 12 ins..... .05 1/2 |

Weigela rosea, pink, 6 to 12 ins..... .05 1/2 |

**THOS. B. MEEHAN CO.**

Dresher, Pa.

LILACS, French Hybrids and Standard varieties. One-year grafts, best flowering varieties. \$25.00 per 100, \$225.00 per 1000.

DEERFIELD NURSERIES  
Deerfield Street P. O. N. J.

**DORMANT STOCK IN COLD STORAGE**

MUST BE ORDERED IN QUANTITIES

OF 10 EACH

These varieties are available for immediate sale and can be delivered up through and including May 20. Order immediately, otherwise we may be unable to fill your order. Cash with order, please.

PRICE.....\$0.50 \$0.40 \$0.30

GRADE.....No. 1 No. 1 1/2 No. 2

Standard Varieties

Ami Quinard.....No. 1 No. 1 1/2 No. 2

Betty Uprichard.....No. 1 No. 1 1/2 No. 2

Cl. F. S. Key.....No. 1 No. 1 1/2 No. 2

Cl. Red Radiance.....No. 1 No. 1 1/2 No. 2

Cl. Tallman.....No. 1 No. 1 1/2 No. 2

Cl. White Am. Beauty.....No. 1 No. 1 1/2 No. 2

Edith Krause.....No. 1 1/2

Editor McFarland.....No. 1 No. 1 1/2 No. 2

Etoile de Hollande.....No. 1 No. 1 1/2 No. 2

Frau Karl Druschki.....No. 1 No. 1 1/2 No. 2

F. S. Key.....No. 1 No. 1 1/2 No. 2

Golden Charm.....No. 1 No. 1 1/2 No. 2

Golden Dawn.....No. 1 1/2 No. 2

Grass an Teplitz.....No. 1 1/2

Paul Neyron.....No. 1

Paul's Scarlet.....No. 1 No. 1 1/2 No. 2

Pink Radiance.....No. 1 No. 1 1/2 No. 2

Poinsettia.....No. 1 No. 1 1/2 No. 2

Prae. H. Hoover.....No. 1 No. 1 1/2 No. 2

Red Radiance.....No. 1 No. 1 1/2 No. 2

Tallman.....No. 1 1/2 No. 2

Patented Varieties

Betty Prior.....\$0.70

Charlotte Armstrong......90

Crimson Glory......90

Donald Prior......70

Mirandy.....1.10

Rome Glory......90

Snowbank......70

Texas Centennial......75

These Roses are paraffin dipped, and the roots are puddled and packed in wet moss. Positively completely dormant. EXCELLENT CONDITION.

M. OLIVER FLOWER FARMS  
P. O. Box 84 Tyler, Texas

12,000 Multiflora Japonica, thornless, 9-in. cuttings, \$7.00 per 1000.

150 Pearly Willow, 3-yr., 5 to 6 ft., \$4.00 per 10.

200 Catalpa Bungei, 3-yr. heads, 6 to 7 ft. stems, \$18.00 per 10.

1000 Honeysuckle (Lonicera) Pink Tatarian, 2-yr., 18 to 24 ins., \$15.00 per 100.

500 Spiraea Trichocarpa, 2-yr., 2 to 3 ft., \$17.00 per 100.

2000 Spiraea Vanhouttei, 2-yr., 2 to 3 ft., \$15.00 per 100.

400 Red Lake Currants, 1-yr., No. 1, \$15.00 per 100.

1000 Fredonia Grapes, 2-yr., No. 1, \$15.00 per 100.

FINGER LAKES NURSERIES, Geneva, N. Y.

Viburnum Carlesii, 3 1/2-in. pots.....Per 100 \$30.00

Viburnum Burkwoodi, 1-yr. field tr.....45.00

Andromeda Japonica, rooted cuttings.....11.00

Andromeda Japonica, tr. in flats.....20.00

Taxus Hickel, rooted cuttings.....5.00

Taxus cuspidata.....7.00

Taxus brevifolia.....8.00

Asalea Kaempferi Hybrids, 1-yr. in flats.....11.00

Ilex Latifolia, rooted cuttings.....6.00

Hydrangea Serrata, 1-yr., field.....10.00

Foraythia Primulina, 1-yr., field.....10.00

MAURICE VIET

21 Roosevelt Ave., Huntington Sta., L. I. N. Y.

**FIELD-GROWN ROSES**

Northern-grown, No. 1

Christopher Stone, Gled. Charm, Etoile de Hollande, Caledonia, Tallman, Prae. Herbert Hoover, McGredy, Grenoble, Poinsettia, Sunburst.

Do not confuse these with cheap southern roses. Individually wrapped for counter trade. No less than 100 in any color. Cash with order. No packing charges, \$49.00 per 100. F.O.B. Cincinnati. Immediate shipment.

D. RUSCONI SEED CO.

124 W. 6th St. Cincinnati 2,



## SHRUBS and TREES—Continued

**PRIVET—California**  
2-yr., heavily branched. Per 1000  
12 to 18 ins. .... \$50.00  
18 to 24 ins. .... 65.00  
2 to 3 ft. .... 80.00  
Above prices F.O.B. Nurseries.  
Japanese Beetle Zone Only.  
**THE WESTMINSTER NURSERIES**  
Westminster, Md.  
Since 1893

**ROSES FOR BENCHING** for January, 1948, delivery. Most economical way! GROWN IN SAN JACINTO VALLEY, CAL. You supply the buds in May; we deliver the plants in January, 1948. Have only 10,000 to 15,000 grade-A Manetti left. Hurry and Contract Now!

**P. J. BOOY NURSERIES**  
Mendham, N. J.  
**P. J. BOOY NURSERIES**  
Route 1, Box 197, San Jacinto, Cal.

## MULTIFLORA ROOT STOCKS.

1 to 2 mm., \$10.00 per 1000.

30,000 available.

## BROWNELL ROSES

Little Compton, R. I.

**REMOVAL SALE**  
15 acres of nursery stock has to be sold at once. Medium to large sizes.  
30 varieties of Evergreens  
19 varieties of Deciduous trees  
25 varieties of Flowering Shrubs.  
A complete listing and prices will be sent on request.

**SWAN RIVER NURSERY**  
Patchogue, L. I., N. Y.

**HAL'S HONEYSUCKLE**  
(Lonicera Halliana Japonica)

Strong No. 1, 2-yr., field-grown, 3 to 4 leads, 18 to 20 ins.; carefully graded, selected plants, \$4.00 per 100, \$30.00 per 1000; lighter plants, \$20.00 per 1000. Immediate shipment.  
**MRS. CHARLIE ROBINSON**, Greenville, Ga.

**SWEET SHRUB (Calycanthus Florida)**  
A large-leaved shrub with spicy, fragrant chocolate-colored flowers; 2 to 3 ft., \$15.00 per 100; 2 to 4 ft., \$20.00 per 100. Quality stock.  
**MRS. CHARLIE ROBINSON**, Greenville, Ga.

**CALIFORNIA PRIVET.**  
2-yr., 18 to 24 ins., 3 br., \$60.00.

**L. P. BRICK NURSERIES**  
Painesville, O.

**LOMBARDY POPLAR**, 6 to 8 ft., \$3.50 per 10, \$30.00 per 100; 8 to 10 ft., \$5.00 per 10, \$45.00 per 100.

**WAYNESBORO NURSERIES**  
Waynesboro, Va.

**NORWAY MAPLES (REMOVAL SALE)**  
600 trees, 4 to 6 inches in caliper, planted in nursery 8 by 8 feet. Write for prices.

**SWAN RIVER NURSERY**  
Patchogue, L. I., N. Y.

**LINING-OUT STOCK**  
Philadelphia Amalthea, 3-in. pot, \$10.00 per 100; \$80.00 per 1000.  
**COTTAGE GARDENS**, Lansing 15, Mich.

## VEGETABLE PLANTS

## WHOLESALE PRICE LIST, 1947

Plant Variety	Date Ready	Per 1000
CABBAGE	Now	\$2.00
ONION	Now	1.25
LETTUCE	Now	3.00
BEEFS	Now	3.00
BROCCOLI	Now	3.00
CAULIFLOWER	Now	7.50
PEPPERS	Now	3.50
EGGPLANTS	Now	3.50
TOMATOES	Now	3.50
SWEET POTATO	Now	3.50

All above prices F.O.B. Albany.

Leading varieties.  
Large, fresh plants. Prompt shipment.

WRITE OR WIRE

**PIEDMONT PLANT CO.**  
Box 946 Albany, Ga.

## VEGETABLE ROOTS

**WASHINGTON ASPARAGUS ROOTS**  
3-yr., immense, for store trade, \$22.00 per 1000, \$3.50 per 100.

2-yr., special price, \$11.00 per 1000, \$2.00 per 100.

1-yr., \$9.00 per 1000, \$1.25 per 100.  
Remember that New Jersey grows more fresh Asparagus than any state except California.

**WARREN SHINN**, Woodbury, N. J.

## HERBS

Tarragon, Mints, Sage, Thyme, Lavender, Twinkle's Purple Lavender, Lemon Balm, etc. 1-yr. 25¢ each; 2-yr. 50¢ each.  
**WARREN SHINN**, Woodbury, N. J.

## ASPARAGUS

Paradise and Washington.

Strong roots—\$6,000 to offer.

100 to 250 to 1000

Per 100 Per 1000

2-yr., No. 1 ..... \$2.00 \$17.00

1-yr., No. 1 ..... 1.70 12.00

Above prices F.O.B. Nurseries.

Japanese Beetle Zone only.

**THE WESTMINSTER NURSERIES**  
Westminster, Md.  
Since 1893

**VICTORIA RHUBARB**, No. 1, 1 to 2-in. caliper crowns, \$1.25 per 10, \$10.00 per 100; Super-size, 2 to 2½-in. caliper, \$2.00 per 10, \$15.00 per 100. See pages 16 and 17 of the February 15 issue of the American Nurseryman for other Nursery Stock.

**WAYNESBORO NURSERIES, INC.**  
Waynesboro, Va.

**VICTORIA AND LINNAEUS RHUBARB**

ROOTS for immediate delivery.

1½ to 2-in., \$40.00 per 1000; 1 to 1½-in., \$25.00 per 1000; ¾ to 1-in., \$20.00 per 1000; ½ to ¾-in., \$15.00 per 1000; ¼ to ½-in., \$7.50 per 1000. Boxing, extra. Get your supply now.

**ASHCRAFTS PLANT NURSERY**, Copemish, Mich.

Horse-radish Crowns, 1-in. and up, 4c ea., \$3.00 per 100.

Sage Plants, heavy, 2-yr., No. 1 plants, 10c ea.

Asparagus, \$1.50 per 100; \$12.50 per 1000.  
**BENTON COUNTY NURSERY CO., INC.**  
Rogers, Ark.

**ASPARAGUS ROOTS**—Mary Washington, strong, healthy, 2 seasons old, northern Minnesota-grown. Will be dug and shipped in April or May, as desired. Packed 25 per bunch. Wholesale, \$12.00 per 1000.  
**A. E. GUSTAFSON**, Box 357, Pine City, Minn.

## HORSE-RADISH ROOTS

Whole Crowns, \$3.75 per 100.

Roots, \$11.00 per 1000.  
New Jersey-grown; none better flavored anywhere.

**WARREN SHINN**, Woodbury, N. J.

## CHIVES

\$1.00 per doz., \$6.00 per 100, \$40.00 per 1000. Other Herbs. List sent.

**WARREN SHINN**, Woodbury, N. J.

Good Horse-Radish Crowns  
\$2.00 per 100; \$12.00 per 1000  
1-year Asparagus Roots, \$10.00 per 1000.  
**RILEY'S NURSERY**, Concordia, Kansas

If you don't find what you want  
try a Classified Ad  
under the heading "Wanted."  
It's cheaper than mailing out a want list.

## VINES

## GRAPEVINES

Fredonia, black; Niagara, white.

Per 25 Per 100 Per 1000

2-year, No. 1 ..... \$3.25 \$12.00 \$85.00

2-year, No. 2 ..... 2.50 8.50 65.00

2-year, No. 3 ..... 1.75 6.00 45.00

Write for prices on other fruit plants.

**E. W. HUEBNER NURSERY**  
Stevensville, Mich.

## MISCELLANEOUS

## OFFERING FOR SPRING, 1947

Asparagus, 2-yr. Rhubarb, MacDonald and Sutton, Baberly Thunberg 2-yr. branched seedlings. Climbing American Beauty Roses. Shrubs. Chrysanthemums and a wide assortment of other hardy, field-grown perennials. Write for Trade List.

**BROWN BROTHERS CO.**

Brighton Sta. Rochester 10, N. Y.

## FLOWER SEEDS—SOIL HEATING

Special stocks of California flower and bulb seeds. General Electric soil heating units. Write. **RANSOM SEED CO.**, San Gabriel, Calif.

## DECORATIVES

**AMERICA'S FINEST NATURAL CONES**  
We are in the midst of the South's best. Perfect, uniform size, selected Pine Cones. Sweet Gum balls, Cotton and China-berry pods, \$2.00 per bu.; \$1.00 per bu., in lots of 500 bu. or more. Satisfaction guaranteed. Immediate shipment.  
**MRS. CHARLIE ROBINSON**, Greenville, Ga.

## SUPPLIES

## TUBS

**REDWOOD TUBS**  
Ornamental, excellent for Camellias, Palms and other large plants. 12-sided tubs, milled to fit tight. Surfaired inside and out; all pieces firmly held by 2 galvanized steel bands. Heavy material, no nails used in construction.

10-inch	.....\$1.00
12-inch	.....1.40
14-inch	.....1.80
16-inch	.....2.10
20-inch	.....2.95

**L. E. COOKE CO.**

417 Vista St. San Gabriel, Cal.

A Pure Sedge Peat, analyzed 2 to 2½ per cent Nitrogen; 34 per cent Humus; Acidity 5.3 to 6.8; only weighing 20 lbs. per bushel; takes the 4th-class low freight. Used and adopted by the nurseries of 43 states for starting cuttings and replanting nursery stock. The best natural Humus available today. Shipment made same day order received. This is not a Moss Peat or Muck, but a Genuine Sedge Peat.

1 to 10, 2-bu. bags, F.O.B. .... \$1.25  
11 to 50, 2-bu. bags, F.O.B. .... 1.10  
51 to 100, 2-bu. bags, F.O.B. .... 1.00  
101 to 200, 2-bu. bags, F.O.B. .... .90  
400-bu. bulk delivered by our trucks within 150 miles from our plant, 40¢ per bu. Place your order early; check with order. A proven product.

Mel-lo a great name in Peat.

**MEL-LO PEAT CO.**

Box 195 Willard, Ohio

## KNOCK-DOWN FLATS

Made from a good grade of Southern Yellow Pine, since Cypress is not available. Standard specifications, inside measurements.  
16x12x2½ ..... \$16.25 per 100  
16x14x3¾ ..... 20.50 per 100  
20x14x2½ ..... 20.00 per 100  
20x14x3¾ ..... 23.00 per 100  
22½x16x2¾ ..... 22.00 per 100  
22½x16x3¾ ..... 25.00 per 100  
All other sizes quoted on request. Prices F.O.B. Birmingham.

We are manufacturers, not jobbers. Freight to any point is a small item per Flat. Our Flats are the best. Why pay more? Our quality guaranteed. Prompt shipment, any quantity. Attach check to order.

**HIGHTOWER BOX & TANK CO.**  
Birmingham, Ala.

## TUNG NUT MEAL.

The ground kernel of the nut after the oil has been removed. Similar to cottonseed meal. Said to be better as a fertilizer.

Analysis about as follows:  
5.9 per cent Nitrogen  
1.97 per cent Phosphoric Acid  
1.41 per cent Potash  
6 per cent Moisture  
100-lb. sacks, F.O.B. here, \$2.25.  
2000 lbs., 20 sacks, F.O.B. here, \$41.50.

## STOVALL NURSERY

Leakeville, Mississippi

## FINE-SCREENED DOMESTIC PEAT.

Acid pH 4-5. Some Nitrogen.  
Our peat is excellent for lawns, cold-frames, perennial seed-beds and preparing soil for evergreen and shrubby plantings.

Per 2-bu. bag  
1 to 4 bags ..... \$2.00  
5 to 24 bags ..... 1.00  
25 to 49 bags ..... .95  
50 to 100 bags ..... .90

Write for price on bulk carload. We ship same day order is received. Order early. Cash, please.

**HAASE BROS.**

116 S. Jefferson St. Peoria, Ill.

## PROFIT WITH PERF-O-RAIN.

Rain when you want it—Low pressure—Rectangular strip watered—No overage—No sprinkler heads or other gadgets—Portable lightweight pipe—Long life. Write for free folder. **W. R. AMES COMPANY OF FLORIDA**, 3905 E. Broadway, Tampa 5, Florida, or **W. R. AMES COMPANY**, 150 Hooper St., San Francisco 4, Cal.

**BURLAP AND COTTON SQUARES**, 25x25 ins., strictly new materials, \$27.50 per 1000. Order your spring requirements while this bargain lasts. Cotton branded with Red Star makes most attractive plant. Samples, 5¢ each. **THE TANKARD NURSERIES**, Franktown, Va.

**SOIL HEATING CABLE by GRO-QUICK**  
40 ft., 200 W. Cable for 20 sq. ft. .... \$1.60  
80 ft., 400 W. Cable for 40 sq. ft. .... 3.20  
Air Thermo, with pilot light ..... 3.75  
Soil Thermo, with pilot light ..... 9.50  
Immediate del. See adv. this issue.

**GRO-QUICK**, 366 W. Huron St., Chicago 10.

## RAFFIA

Best grade Madagascar. 8 lbs. prepaid, \$5.29. Immediate shipment. Cash, please.

**FRITCHARD NURSERIES**

Ottawa, Kansas

**GIBRALTER Frost Covers** pay for themselves. Economical, long-lasting. Ideal for windbreaks, 2 ft. wide; 50 ft., \$13.75; 100 ft., \$26.00; 150 ft., \$39.00. **NEW AMSTERDAM IMPORT**, 122 Chambers St., New York 7, N.Y.

## BUDDING STRIPS

Best Natural Rubber. All sizes for rose-bushes, fruit trees, etc. Quantity price as low as 82¢ per lb. Free Samples.  
**THE M. CONLEY CO.**, Canton 1, Ohio.

## PRINTING

Letterheads, billheads, statements, cards, envelopes, tags, blotters, folders, catalogs, samples. Send copy for estimate.  
**J. GARLAND HILL**, Dept. A, Seaford, Del.

## SEED STORE FIXTURES

Bins, Cabinets.

## WALKERBILT

Penn Yan, N. Y.

**WISCONSIN'S QUALITY SPHAGNUM MOSS**  
Direct from the drying beds.  
Burlapped or wired bales.  
Trucked when possible.  
**WARRENS MOSS CO.**

Box 7 Warrens, Wis.

**FOR SALE**—Oliver visible typewriter for only \$20.00 cash, please. Good condition, does nice work; just what you need to give your statements and letters that real business look. **FRANK PAYNE**, Route 5, Kansas City 3, Kansas.

#### WANTED

**WANTED TO BUY**  
The following liners: Mahonia Aquifolium, Arizona Cypress from pots, and other liners from pots.  
**NEW MEXICO NURSERIES**  
215 E. 2nd St. Clovis, N. M.

**WANTED**  
Carloads of assorted Evergreens, B&B, for retail sales. Early spring delivery.  
**McDONALD LANDSCAPERS**  
9200 W. Fort St. Detroit, Mich.

#### FORT WAYNE ASSOCIATION.

Four Fort Wayne, Ind., nursery firms, Beverly Greenhouse & Nursery, Flaig & Flaig, Fred P. Strohl's Nursery and Pion Landscape Co., have organized the Fort Wayne Landscape Nurserymen's and Arborists' Association. At the first meeting of the group, April 18, the following officers were elected: President, Arnold Koeneman; vice-president and treasurer, Walter Flaig, and secretary, Arnold Pion. The committee on policy and program is headed by Fred Strohl and includes Kenneth Flaig, David Galbraith and Peter DeVoogdt.

Purposes of the association are: To stimulate greater interest in landscape practice, nursery stock growing, marketing and arboriculture in Fort Wayne and vicinity; to cooperate with civic and civil groups and authorities in the beautification of public areas; to provide an educational program for the public to acquaint it with the correct types of plants for the Fort Wayne area, and to improve practices and operations of the members of the association in their various fields.

**GARDEN** supplies will be on sale in the new 2-story building being constructed at Beaverton, Ore., by Richard Holmboe, landscape architect and nurseryman.

**STEWART F. HENSON** has sold his wholesale nursery and bedding plant business at Buena Park, Cal., and after taking an extended vacation will return to his retail garden supply store and gift shop, which he expects to expand into a larger business. The nursery will be known as the Buena Park Greenhouses and will be under the management of one of the owners, Robert Weidner, who was previously connected with the Superior Nurseries, Los Angeles, and Roy F. Wilcox Co., Montebello.

## WANT ADS

Help and Situation Wanted and For Sale advertisements.

Display: \$3.00 per inch, each insertion. Liners: 25c line; minimum order \$2.00

### FOR SALE

8½ acres in northwest Ohio; 2 greenhouses (5000 ft.), over 5,000 trees; newly remodeled 6-room home; 2-room apartment at rear; also 2-story building in rear with office, ideal for storage; other small buildings, \$22,500.00. Or, for complete frontage on two paved roads, buy all 15 acres for \$26,500.00; we will lease the rear building for a year or two.

**BERRYMAN NURSERIES & GREENHOUSE**  
3600 West Elm St. Lima, Ohio

### FOR SALE

47-acre nursery and landscape business, with large retail trade, established 20 years. Tools including large tree mover and two trucks. Price \$20,000.00. Only nursery near city of 60,000 population, with a number of other good towns and cities near by. Practically new shrub storage 60x25 ft. Attractive office and 7-acre sales ground. Nursery located inside city of Jamestown, N. Y., on Chautauqua Lake, on route 17, main route between New York City and Chicago. 40 acres, all tillable, partly planted, located just outside of city. Owner wishes to retire on account of age and poor health. Inquire.  
**ATWATER LANDSCAPE CO.**  
168 Fluvanna Ave., Jamestown, N. Y.

### FOR SALE

Our entire nursery business. On account of illness we are sacrificing our long-established nurseries (two). Ideal locations on highways 100 and 119, respectively. Well stocked; 14 acres of rich black loam; office building and equipment. Immediate possession.

**OWNER**

Box 66, Westchester County,  
Hartsdale, N. Y.

**FOR SALE**—Arbor Heights Nursery; 4 lots, 50x132 ft.; 2,400 landscape evergreens, 4 ins. to 18 ft., 33 kinds and colors; 20,000 seeds planted; 18,000 flowers, shrubs, vines, shade and fruit trees (65 bearing), 400 kinds. City water, piped on surface and hose to water every foot. Space to double present stock. 8-room frame house, basement, furnace, well, 2-car garage. See my surplus ad list in March 1 issue. **KNIGHT'S NURSERY**, 913 Maple St., Three Rivers, Mich.

**FOR SALE**—Nursery, greenhouses and florists' business, established for 25 years; well equipped and stocked; 72 acres; 10-room house, 2-room apartment started; excellent opportunities; located 8 miles west of Lansing, Mich., 3 blocks off U. S. 27. About \$75,000.00.

**MILLETT NURSERY & GREENHOUSES**  
Box 91, R. F. D. 3, Lansing, Mich.

**FOR SALE**—Plant-growing business, seed store in Maryland. Well established and profitable; good house; land and frames; fully stocked and equipped; reasonably priced. **HORTICULTURAL REALTY CO.**, 135-39 Northern Blvd., Flushing, N. Y.

**WANTED** Nursery doing predominantly cash-and-carry business; Ohio or southern Michigan or neighboring states. One or two modern residences. Address Box 492, care of American Nurseryman.

### HELP WANTED

Nursery superintendent, a man with several years' experience growing evergreen stock, wanted by a progressive wholesale nursery in midwest state. Must be capable of directing activities of 40 to 50 men and assume charge of production operations. This is an excellent opportunity for an aggressive man. Give full details of past experience, references and salary desired. All replies will be confidential. Address Box 491, care of American Nurseryman.

### HELP WANTED

At once, by well established progressive western Pennsylvania nursery. A young ambitious man with nursery and horticultural experience who has a thorough knowledge of soil management, grafting, rooting cuttings and so forth. Also, one who can act in an executive capacity in the many lines involved in the nursery business. A very attractive proposition for one who can qualify. State full details. Address Box 488, care of American Nurseryman.

### POSITION WANTED

Available June 1; age 50; present employment, General Manager in complete charge of all activities of a successful corporation specializing in roses, wholesale and retail, and landscape construction; 30 years' experience in horticultural field; well known. All correspondence confidential. Address Box 493, care of American Nurseryman.

### MANAGER WANTED

At our Richmond, Indiana, nursery. Only capable man experienced in growing evergreens and handling men will be considered. Exceptional opportunity for the right man. All applications will be held confidential. State age and experience in first letter.

**JACKSON & PERKINS CO.**  
Newark, N. Y.

**HELP WANTED**—If you are a capable and reliable man with nurseryman experience, some knowledge of propagation and sales, I can offer you a future. 1. A new nursery and salesyard, ½ mile from Amarillo, specializing in lath house, plants in containers, and some glasshouses. 2. Manager for old-established nursery of 50 acres fully equipped, 4 miles from Amarillo on main highway. We grow 25 to 30 acres of vegetables each summer on this place. J. E. BOWMAN, owner, 1719 Tyler St., Amarillo, Texas. Phone 2-6294.

**SITUATION WANTED**—Are living quarters available? Your opportunity to secure the services of a competent all-around nursery and landscape designer and salesman. Age 30, ex-GI, small family, grew up in the nursery, landscape and tree-service business, 2½ years' botany major, 2½ years' engineering, drafting, designing and surveying. Available immediately. Write for detailed service record or interview. Address Box 494, care of American Nurseryman.

# New Books and Bulletins

## RETAILERS' HANDBOOK.

Incompetence, inexperience, lack of capital, unwise credits, extravagance, neglect, speculation and fraud, all factors which, with knowledge and foresight, could be avoided, have been responsible for 81.5 per cent of business failures in the United States. To point out to those considering or now engaged in the operation of retail businesses methods of avoiding these dangers, the National Cash Register Co. has had a series of booklets bound in a single volume, "Better Retailing," for distribution at \$2.50 a copy.

Factors to be considered in the selection of a business, the location and arrangement of the store, the buying and pricing of goods and the keeping of accurate records and complete inventories are presented in a graphic manner which is easily understandable. Operators of established businesses as well as those who are beginners will find new ideas on efficient management and store operation, retail salesmanship, display selling, advertising, customer relations, special services and sales and credits and collections.

## TECHNICAL DICTIONARY.

Difficult as it is to keep informed of the technical names and definitions of new chemical compounds appearing on the market as insecticides, fungicides and herbicides, nurserymen and florists will find the 50,000 definitions in the "Concise Chemical and Technical Dictionary," edited by H. Bennett, of inestimable value. The 1,055-page volume, priced at \$10 per copy, has just been issued by the Chemical Publishing Co.

Every field of scientific and technical development is covered in the volume, which includes many thousands of botanical, biological and mineralogical terms as well as those dealing with chemistry, physics, mathematics and other technical fields. Nurserymen and florists will find the inclusion of trade names and their technical descriptions in the text an especially useful feature.

For most chemical compounds, the following data are listed: Chemical name, synonymous names, semistructural formula, molecular weight, color, form and other physical properties, specific gravity, melting point, boiling point, solubilities and uses. The use of cross references, abbreviations and tables aids in making the

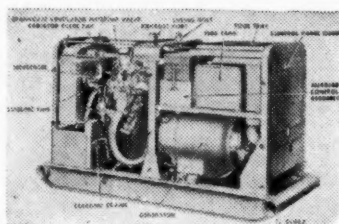
dictionary a concise and reliable reference.

## LILIES FOR EVERYONE.

Intended primarily for the amateur who has only limited space to devote to the cultivation of lilies, "Lilies for Every Garden," by Isabella Preston, has been issued by Orange Judd Publishing Co., at \$2 a copy. Although some of the material originally appeared in Miss Preston's "Garden Lilies," published in 1929, it has been rewritten, and information on recent methods of cultivation and new introductions of hybrid lilies has been incorporated in the text.

So that the inexperienced gardener may become acquainted with the general principles of growing lilies, there is information on methods of cultivation, propagation and hybridization. Insect and disease troubles are briefly described and some methods of control recommended. Over ninety-four of the 157 pages are devoted to a list of varieties with short descriptions and notes on culture, although no attempt is made to compile a complete

## New Gas and Diesel Electric GENERATING SETS



50% off, 5-kw, 110-220-v, 1-ph, 60-cy, automatic; bargain, 2.5-kw, 110-v 1-ph, 60-cy; for bungalow, 300-watt, 115-v, \$97; also many other sizes with tools and spare parts.

Export Packed—Immediate Delivery.

**SPRAYED INSULATION INC.**  
78 Hawthorne Place Montclair, N. J.

## LINDIG'S SOIL SHREDDER



New Improved model

Engineered for the perfection of soils.

Prompt delivery.

Write for folder and price list

**Lindig's Mfg. Co.** 1075 W. Larpentour Ave. St. Paul 8, Minn.  
Special equipment built to your specifications.

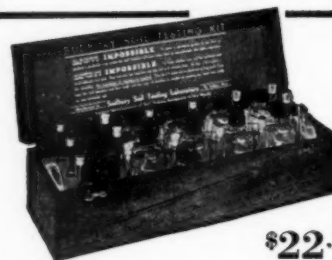
list of all known species, varieties and hybrids. Twenty-eight full-page photographic reproductions illustrate the 157-page text.

## SHADE TREE PROCEEDINGS.

Again the work of Dr. Paul E. Tilford, executive secretary of the National Arborist Association, Wooster, O., the combined proceedings of the twenty-second National Shade Tree Conference, August 27 to 30, at Boston, Mass.; the thirteenth Western Shade Tree Conference, May 23 to 25, at Riverside, Cal., and the seventh Southern Shade Tree Conference, October 16 to 18, at Asheville, N. C., has just been issued.

Material in the 350-page volume consists largely of addresses and discussions at the conferences, reports of officers and committees and business proceedings. About two-thirds of the publication is devoted to the

## Own a SOIL TEST LABORATORY Of Your Own



\$22.50

express paid

## SUDBURY PORTABLE SOIL TEST LABORATORY

The most valuable piece of equipment you can own, giving you the soil information that you need for efficient production. Widely used by estates, professional growers and government field stations. Will last almost a lifetime with redia. Comes in instrument type chest. No chemistry knowledge required. Complete with instructions and helpful chart. SEND NO MONEY. Order C.O.D. \$22.50, plus express charges (or send \$22.50 and we pay express). Money back guarantee. Immediate delivery.

Dealers Write for Special Offer.

**SUDBURY SOIL TEST LABORATORY**  
Box 204 S. Sudbury, Mass.

## BETTER FUMIGATION

For quick, effective results  
use the penetrating fumigant!



**THE DOW CHEMICAL COMPANY**  
MIDLAND, MICHIGAN

Please mention the American Nurseryman when writing advertisers

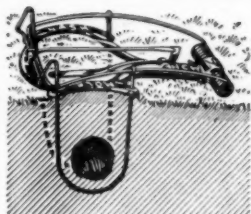


**"I saved hundreds of dollars..."**

through this ad in American Nurseryman. Last spring and summer I was bothered with moles which destroyed over 100 young evergreens. I tried poison, and some traps—no results. I saw this ad, purchased one dozen traps. In less than two weeks I caught 10 moles, and the rest shortly after. These traps will last a lifetime, have a double action spring and need no bait. . . . I would like to see this published as it helps honest advertisers to dispose of quality goods."

Boucek Evergreen Nursery

## KILL MOLES



### with NASH CHOKER LOOP TRAPS

You can help your customers get rid of pesky moles as fast as their runways appear with Nash Choker Loop Mole Traps—the one sure way to get moles in any type of ground. Harmless to children and pets. Approved by Dept. of Agriculture. Price to nurserymen, \$20.00 per doz., F.O.B. Kalamazoo. Suggested resale price, \$2.50 each, plus postage.

### NASH MOLE TRAPS

152 E. South St. Kalamazoo 5, Mich.

### "GRO-QUICK" ELECTRIC SEED BED HEATER

**BOTTOM HEAT CAN'T BE BEAT**  
For Early Plant Starting  
For High Germination  
For Fast Growth  
For Rooting Cuttings



#### GET ALL THE FACTS NOW

Send today for free new instruction sheet with plans and experience reports from users in your line of business. GRO-QUICK will substantially increase your profits.

"GRO-QUICK" 366 W. Huron St.  
Chicago 10, Ill.

### ATTENTION NURSERYMEN!



## IMP. SOAP SPRAY

Use 1 part with 25 to 40 parts of water

Ask your nearest seedsman, or  
write for literature.

THE AMERICAN COLOR AND CHEMICAL CO.  
170 Purchase St. Boston, Mass.



### ZIP-STAY LABELS

MARKHAM'S OHIO NURSERY  
ELYRIA, OHIO

Inspection Tags, Letterheads,  
Booklets, Cards, Envelopes.  
Please write for prices and samples.

MARKHAM'S OHIO NURSERY, Elyria, Ohio

proceedings of the National Shade Tree Conference, including the complete report of the lightning struck tree survey committee, headed by the late A. Robert Thompson, the discussions at the plant clinic and a copy of the National Shade Tree Conference arboricultural code.

### SEWAGE SLUDGE FERTILIZER.

Possibilities in the use of sewage sludge as fertilizer have long been overlooked by this country's users of plant foods. The increased and sensible utilization of the solid residue produced as a by-product in sewage treatment plants could mean that an enormous tonnage of plant nutrients and humus would be returned to the soil. Furthermore, as the market continues to encourage the feeding of animals, organic fertilizers such as cottonseed meal and high-grade animal tankage, which may be used in normal times for fertilizer, are being diverted to uses as feed materials. The utilization of sewage sludge as fertilizer could provide a valuable substitute.

Digested air-dried sludge is being produced in over 6,000 sewage treatment plants in the United States, where it can be obtained at little or no cost. Commercial preparations, such as Milorganite, a fertilizer produced from sludge by the Milwaukee Sewage Co., have been advertised to a moderate extent.

An authoritative evaluation of the advantages and limitations of the various forms of sewage sludge as soil conditioners for agricultural purposes has been issued in a 120-page bulletin, "Utilization of Sewage Sludge as Fertilizer," by the Federation of Sewage Works Associations. A valuable reference work for anyone interested in the possibilities of this form of organic fertilizer, the manual reports on the value of sludge as a plant food and tells how it may be used advantageously and safely.

Particular emphasis is placed on the uses of heat-dried activated sludge, which has been found to be the best type for agricultural use, whether applied alone or mixed with other fertilizer elements. This form has the advantages of greatly reduced bulk and a minimum odor when applied. It is easy to apply uniformly when it has been ground and sieved. As a top-dressing on grass or borders in gardens, it is unobjectionable and hardly noticeable. It contains more nitrogen than digest sludge, and although not completely sterilized it is generally believed to be free of harmful bacteria.

Copies of "Utilization of Sewage

## REPLACE COSTLY BALLING AND BURLAPPING

.....



PATENT APPLIED FOR

## WITH GRAY'S PLANT SALESMAN

ECONOMICAL, low-priced, sturdy basket containers now replace costly balling and burlapping. Made from No. 12 gauge wire, spot welded at all intersections. Liner of No. 30 special felt. 3 standard sizes: 12-in., 15-in., 18-in. diameters. Handles larger trees, shrubs, evergreens for cash-and-carry business! Now you can guarantee plants 100 per cent—Extend selling season — Keep plants growing no matter how often moved — Keep salesyard attractive always.

Step up your sales and profits—  
Modernize your nursery.

**SEND FOR** free descriptive  
bulletin and prices  
on all standard sizes. Samples and  
small trial shipment gladly sent at  
100-lot prices. Write or wire for  
complete information today!



Sludge as Fertilizer" may be had from the headquarters of the Federation of Sewage Works Associations, 325 Illinois building, Champaign, Ill. The price is 75 cents per copy to individuals affiliated with any member association of the federation, and \$1.25 to nonmembers.

#### PERENNIALS FOR CANADA.

For the most part a list of perennial species and varieties, with notes on their cultivation under Canadian conditions, "Herbaceous Perennials for Canadian Gardens," by Sarah Preston, has been issued as publication 784 by the department of agriculture of the Dominion of Canada. Perennials are listed in alphabetical order under their botanical names. There are brief descriptions of the various plants and information on their approximate heights, blooming seasons and cultural requirements.

Considering herbaceous perennials in general, some information is given on arrangement, care and cultivation, fertilizer and watering requirements, propagation and insect and disease troubles. Supplementing the list of species and varieties, there is a selected list of twenty-five perennials especially recommended for Canadian gardens. Lists of bulbous and similar plants for perennial borders, of plants for positions that have little sun and of plants for dry situations are also given.

Although a large number of perennial plants will grow in Canada, not all of them will prosper in the colder portions, and superintendents of branch experimental farms in various sections of the Dominion have compiled lists of perennials recommended for their sections for inclusion in the bulletin.

#### Other Canadian Bulletins.

Other recent publications by members of the Dominion experimental station at Morden, Man., include publication 780 of the department of agriculture, "Variety Notes on Some Tree Fruits Grown in Prairie Orchards," and bulletin 6 of the Line Elevators Farm Service, "Growing Small Fruits in the Prairie Provinces." Both are the work of W. R. Leslie, superintendent of the station.

Information on the origin and the general character of the trees and their fruits is given in the variety notes on fruit trees in an effort to assist owners of home orchards, now being developed across the Canadian prairies. Apples, crab apples, pears, apricots, plums and hybrids and sand and sour cherries are considered. In "Growing Small Fruits in the Prairie Provinces," information is given on

## AUTOMOTIVE TREE MOVERS



The above is a picture of one of our 7-foot Rocker Type Tree Movers, owned and operated by the Laur Shade Tree Service, St. Louis, Mo. The tree is a large sugar maple weighing slightly more than five tons. This is the third mover purchased from us by this company.

On short hauls it is possible to move five or six big trees within a day's time. We can use this mover as a crane to load trailers or other trucks for longer hauls.

Place your order early so that you will not be disappointed as all steel stocks are scarce and our production is limited. Write for further information.

## WILLIAMS & HARVEY NURSERIES

Box 7068, Country Club Station

Kansas City 2, Mo.

**RA·PID·GRO**  
See results IN 24 HOURS  
HUSKIER PLANTS... that yield  
BIGGER AND BETTER FLOWERS...  
FRUITS... VEGETABLES...



*makes  
fibrous roots,  
healthy stock.*

**SELL IT TO YOUR CUSTOMERS** — Saves thousands of dollars in replacements. Brings repeat business in both stock and Ra-pid-gro from satisfied customers. A real good-will ambassador.

**FEED IT TO YOUR STOCK** — Feed your stock while it is growing. Produces stock that will live when transplanted. Ra-pid-gro is economical, only twenty pounds to the acre.

IMMEDIATE RESULTS... DOUBLES GROWTH ON BUDS

Write for discounts to the trade.

**RA·PID·GRO Corporation - - Dansville, N. Y.**

### HORMODIN ROOTS CUTTINGS

Three strengths available:  
No. 1—For most softwood and easy items. 1 3/4 oz., 50c; 1 lb. \$3.00.  
No. 2 — For more difficult subjects. 1 3/4 oz., 75c; 1 lb., \$4.50.  
No. 3 — For hardwood and the most difficult items. 1 oz., \$1.00; 1/2 lb., \$4.50.

**SOMERSET ROSE NURSERY, INC.**  
P. O. Box 608 New Brunswick, N. J.

## WOOD LABELS

*For Nurserymen*

**DAYTON  
FRUIT TREE LABEL  
CO.**

Ray and Kiser Sts. DAYTON, O.

**SPADING FORKS—Heavy Duty**

4 angular tines, 11 ins. long—Steel D handle.  
No. L-213—wt., 4 lbs. ....each \$2.25

**TRANSPLANTONE**

No. N-8—3-oz. cans, each .....\$1.00  
No. N-9—1-lb. cans, each ..... 4.00

**WEED KILLER — FLAME GUNS**

The 2000° flame kills the growth and seeds instantly.

This professional outfit includes a 4-gal. fuel and air tank, 2-in. brass air pump, and check valve, 5 ft. of oil-resisting hose; seamless steel coil, burner and wind shield; snap-on shoulder strap.

Shipping weight, 23 lbs.

No. L-199—Each .....\$22.00  
In stock for immediate shipment.

**★ POULTRY NETTING ★**

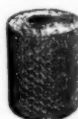
Protect those young trees and shrubs from rodents and dogs.

Rolls—150 ft. long, 1-in. mesh.

Galvanized soft wire.

No. F-642—12 ins. wide, per roll .....\$3.95  
No. F-643—24 ins. wide, per roll ..... 5.85

g In stock for immediate shipment.

**KNEE PADS—Rubber**

A comfort-giving knee cushion. Built of solid and soft sponge rubber to fit contour of the knee.

Straps adjustable to fit any knee and will not slip down when walking.

No. L-259—(wt. 1½ lbs.). Per pair .....\$ 1.75  
3 pair .....\$4.95 DOZEN pair ..... 18.00



**Schupp**

**FLORIST SUPPLY COMPANY**

PHONE: WILMETTE 4040  
1143 GREENLEAF AVE.

**WILMETTE, ILL.**

MENTION THE AMERICAN NURSERYMAN

**Schupp Specials****TROWELS—Heavy Duty**

No. L-211 .....Each \$0.98  
3 for ..... 2.75

**KILL WEEDS—SAVE GRASS**

— With —

**"2,4-D"—WEED KILLER—Dow's**

Harmless to ordinary lawn grasses when used as directed. An easy, chemical way to kill weeds, roots and all, by merely spraying the tops.

**"2,4-D"—Wettable Powder Form**

No. L-238—20-oz. cans, each .....\$ 2.55  
Resale—Case of 12 cans ..... 24.60  
Professional sizes—  
No. L-239—10-lb. drums (\$1.76 lb.) ..... 17.60  
No. L-240—50-lb. drums (\$1.65 lb.) ..... 82.50

**"2,4-D"—LIQUID Form**

No. L-242—1-qt. cans, each .....\$ 3.85  
No. L-243—1-gal. cans, each ..... 5.70  
Resale—case of 4 cans ..... 18.20  
Professional sizes—  
No. L-244—5-gal. drums (\$5.25 gal.) ..... 26.25  
g Complete directions on each can.  
Descriptive pamphlet sent upon request.

**HOSE—For Guy Wire Padding**

Spray Hose—Mill Ends.

Various lengths from 1½ to 8 ft. pieces. Packed in bags of 250 ft.

No. T-141, 1 bag—(250 ft.) .....\$ 9.90  
4 bags—(1000 ft.) ..... 33.00

**GALVANIZED WIRE**

—No. 12 Gauge—

FOR GUYING TREES AND BRACING

No. G-240, 50-lb. coils (approx. 1600 ft.) .....Each \$7.40

the identification and cultivation of varieties of strawberries, raspberries, bush fruits, blueberries, cranberries, sweetberry honeysuckle, peminas, saskatoons, silver buffalo berry, American elder, Russian mulberries and hazel.

An unusual pictorial presentation of "The Budding and Grafting of Fruit Trees," by D. S. Blair, Arthur Kellet, W. L. Kerr and M. B. Davis, is another publication of the department of agriculture. A 5x8-inch folder opening out to a sheet twenty-four times that large, the publication employs photographic reproductions to demonstrate exposition, inarching, frameworking, grafting tools, the Shield and Jones methods of budding, the different slits used in bridge grafting, the construction of different kinds of scions, and these types of grafting—stub, bark, root, cleft, bridge, oblique and whip and tongue.

**POISONOUS PLANTS.**

To aid in the identification of plants which have proved harmful to livestock, L. R. Tehon, acting director of the Illinois Natural History Survey, and C. C. Morrill and Robert Graham, of the college of veterinary medicine of the University of Illinois,

**Out of Nature's Storehouse****MICHIGAN PEAT**

furnishes the maximum ORGANIC value per dollar. 30 years' service by leading arborists, growers, nurserymen makes it a MUST for you. Michigan Peat is 97% organic, bacterially active, contains 90 cubic feet per ton; goes right to work. ECONOMICAL!

HUGE 100-lb. BAGS.

F.O.B. Capac, Michigan. Each

2 to 19 Bags .....\$1.65

20 to 99 Bags ..... 1.50

100 to 400 Bags ..... 1.40

**Bulk Carloads at Very Low Prices — Free Samples.**

**USE NATURE'S FINEST SOIL BUILDER for all planting.**

**IT IMPROVES ALL SOILS!**

**American Soil Sponge Selling Corporation**

267 Fifth Avenue, New York 16, N. Y.

**Make Profits**

**Sell Michigan Peat**

**Those YELLOWING LEAVES may turn GREEN  
IF YOU SPRAY THEM WITH**

For chlorosis due to  
Iron deficiency.



Does not contain  
Iron sulphate.

**SCHUYLKILL CHEMICAL COMPANY Dept. J 2346 Sedgley Ave.  
Philadelphia 32, Pa.**



**Be Prepared For Spring Sales****Immediate Shipment****For — FIELD — STORAGE — PACKING — SHIPPING**

E-Z Creped Waterproof Nursery Wrap

1-Ply Medium Mexican (Henequen) Sisal Twine

30/30/30 Creped or Crinkled Waterproof Paper

2-Ply Fine Mexican (Henequen) Sisal Twine

30/30/30 Plain or Flat Waterproof Paper

5-lb. balls 150-lb. bales

30/30/30 Creped Waterproof (4-inch) Tree Wrap

Also 50-lb. single end reels

Write for samples and prices.

**EAGLE WRAPPING PRODUCTS CO.***Packing and Shipping Supplies for the Nurseryman***312-330 North Carpenter Street****Chicago 7, Ill.**

Urbana, have cooperated in the preparation of circular 599 of the University of Illinois extension service in agriculture and home economics, entitled "Illinois Plants Poisonous to Livestock."

General suggestions are briefly given on what to do about poisonous plants and poisoned animals, but most of the bulletin consists of information on the identification and control of such plants. It is completely illustrated, and the many natural-color photographic reproductions will prove especially helpful in the identification of those plants which should be avoided.

**BULLETINS RECEIVED.**

A. G. Smith, Jr., assistant gardening specialist at Virginia Polytechnic Institute, Blacksburg, Va., is the author of circular 410 of the institute, entitled "Growing Hardy Chrysanthemums." The 8-page bulletin, illustrated with reproductions of line drawings, instructs the home gardener in the fundamentals of the culture of hardy chrysanthemums.

"Trees for Prosperity and Posterity" is the title of circular 403 recently issued by the extension service of the Oklahoma A. & M. College, Stillwater, Okla., to promote tree planting in the state. Written by Harry P. Rigdon, extension farm forester, this 16-page illustrated pamphlet briefly describes the various types of tree plantings adaptable to farms, with concise instructions how to do the planting job. While four sources of tree seedlings are mentioned, the commercial nursery is listed first and the reader is advised to contact his local nurseryman first.

Those confronted with the problem of clearing land will find instructive the 12-page extension bulletin 344 from the State College of Washington, Pullman, on "Destroying Stumps by Charpitting."

Largely a varietal list of trees com-

**HORTICULTURAL  
PEAT MOSS****98% ORGANIC Matter****WANTED — YOUR 1947 PEAT MOSS BUSINESS**

Better equipped than ever to serve you. Fine dry or medium wet grades, packed in 100-pound bags or bulk cars. Samples, analysis, and rates furnished on request.

**GET OUR PRICES BEFORE YOU BUY****GEORGIA PEAT MOSS CO., INC.**  
**Lake Park, Ga.****NOW TRY PARAGON SPRAYER No. 3  
in Your Nursery, Orchard and Propagating Beds.**

Ten days' trial will convince you that Paragon Sprayer No. 3 will do your spraying and whitewashing better, faster and easier or it will cost you nothing. Oversize air chamber maintains higher pressure—more uniform spray. Longer pipes and hose reach greater area from one position. Compact truck stands steady on uneven ground; can't jam in narrow places; extra-wide metal wheel rims prevent cutting into turf. Continuous agitation keeps solution from settling in container or clogging strainer and nozzles. Equally effective with any spray, insecticide, disinfectant or water paint anywhere, any time.

Complete with pipes, hose and nozzles, \$29.95. Air gauge, \$2.60 extra. 12-gallon capacity. One-wheel truck if specified.

If your dealer does not handle Paragon Sprayer No. 3 check the coupon and mail direct to us.



THE CAMPBELL-HAUSFELD COMPANY, 503 State Avenue, Harrison, Ohio

☐ Enclosed find order

☐ Send complete details

Name \_\_\_\_\_

Street \_\_\_\_\_

Post Office \_\_\_\_\_

State \_\_\_\_\_

monly planted as ornamentals in Florida, "Ornamental Trees," by Harold Mowry, originally issued in April, 1938, as Bulletin 95, has been revised and reissued by the Florida agricultural extension service, Gainesville. Palms and most trees bearing edible fruits are omitted in the survey. Short descriptions are given of most of the other species used for ornamental purposes, and many are illustrated. There are brief introductory statements of climatic limitations, culture and pruning of native trees, and a check list giving the botanical and common names and habitats of native trees of Florida.

A concise but complete handbook on the cultivation of camellias, "Camellia Growing," by R. J. Wilmot, has been issued as Bulletin 130 by the University of Florida, agricultural extension service, Gainesville, Fla. Descriptions and illustrations are given of the classification of Camellia japonica flowers into simple, incomplete double and complete double types, with information on a few other species. Information on the history of propagation, planting, fertilizing and culture and pest control is briefly given in the 19-page pamphlet.

#### ST. LOUIS GROUP MEETS.

At a meeting sponsored by the Shield Shade Tree Specialists, April 8, in the American Legion hall, St. Louis, Mo., members of the Greater St. Louis Association of Gardeners heard G. A. Vissa, of the Shield firm, talk on the care of trees.

Walter Ward, chairman of the committee for the exhibit at the recently held Greater St. Louis flower and garden show, presented the association with the silver cup awarded the large formal garden exhibited by the association at the show. Harold Webb showed some colored slides taken at the show.

Mr. Ward was appointed to make arrangements for the association's annual family picnic to be held in June or July. A social hour followed the meeting, for which a rising vote of thanks was given to the Shield Shade Tree Specialists.

LOVING VALLEY FLORIST, nursery and florists' firm owned by Mrs. Johnnie C. Gallagher, will open June 1 at Mineral Wells, Tex.

SPENCER McCONNELL, of the McConnell Nursery Co., Port Burwell, Ont., president of the Eastern Canada Nurserymen's Association, has been reelected president of the Aylmer-Malahide Telephone Association.

## Now IT'S A CINCH! Dusting is EASIER with the NEW ROOT Nap-Sak.

### 1 LIGHTWEIGHT

Only 7½ pounds total with all accessories.

### 2 EASY OPERATION

Light...easy...rhythmic pumping produces prolonged discharge.

### 3 STRONG BLAST

Instantaneous, positive action produces high velocity dust discharge which penetrates and sticks to dense foliage.



Light weight makes knapsack dusting easier with this new ROOT NAP-SAK Duster. It slips on quickly . . . out of the way. It operates easily, naturally, efficiently. Wide, padded shoulder straps make the NAP-SAK Duster easy to carry . . . all day long. Durable, lightweight, aluminum construction eliminates heavy-weight mechanism. Powerful, hand-operated, high-leverage bellows produces a strong, prolonged blast of any commercial dusting material. Twenty-pound capacity dust chamber has wide opening for easy filling. Adjustable, dosage control economizes on materials. The new ROOT NAP-SAK is available for immediate delivery. See it at your dealers or write for descriptive literature today.

The complete line of ROOT Dusters include: Plunger, NAP-SAK, Crank, Traction, Saddle, Engine Power and Power Take-off models. Also, there is a ROOT All-Purpose Spreader for seeds, fertilizers, insecticides, etc.



## NACO MANUFACTURING CO.

(FORMERLY ROOT MANUFACTURING CO.)

7631 Roseberry Ave.

(P. O. Box 310)

Huntington Park, Calif.

## NEWS FROM OHIO.

Summer meeting plans of the Ohio Nurserymen's Association have been formulated by the executive committee. The association will meet August 28 at the Mansfield-Leland hotel, Mansfield, where an informal get-together at the expense of the association has been arranged for the evening. The morning of the following day, August 29, the group will visit Malabar Farm, Lucas, O., at the invitation of Louis Bromfield, noted author and agriculturist. After a picnic luncheon there, a visit will be made to the Ohio agricultural experiment station, at Wooster, where separate groups will be shown the taxus plantation, lawn grass plots and fruit and orchard experiments.

With the return of John W. Baringer as assistant chief of the division of plant industry of the Ohio department of agriculture, nurserymen are assured of a competent force in insect and disease control. Harold Porter, as specialist in charge, will direct a corps of eight nursery inspectors.

Leo L. Rummell, of Cincinnati, has been appointed by the board of trustees of Ohio State University as dean of the college of agriculture, succeeding Dean John F. Cunningham, who reaches retirement July 1.

Following recent discussions on stone fruit virus control, a group of interested persons from the experiment station, university, department of agriculture and fruit growers' and nursery industries was called together the last week in February at Columbus. The complex virus disease situation was discussed at length, and all present agreed that some definite program should be planned without delay. A working committee to formulate plans was named, consisting of the following: Harold Porter, chairman; Howard Scarff, W. N. Scarff's Sons, New Carlisle, O.; Dr. T. H. King, extension pathologist, Ohio State University; Dr. H. F. Winter, department of pathology, experiment station, and Dr. W. P. Judkins, professor of horticulture, Ohio State University.

## LAKE COUNTY MEETING.

A social evening was enjoyed by members of the Lake County Nurserymen's Association, March 24, at the Rose room of 2:30 Manor, Mentor, O. There were sixty present, including wives and guests.

A chicken dinner was served at 7 p. m. The tables were attractively decorated with pink and yellow snapdragons, miniature wagons carrying

out the Easter motif and miniature dolls as place cards, the latter designed by Secretary-treasurer Margaret Sessler.

After dinner President Thorne Brewster introduced several new members and extended a cordial welcome to them. The meeting was then turned over to Melvin E. Wyant, chairman. He introduced John H. Byrne, of Cleveland, who spoke on "Private Enterprise in Forestry," stressing the fact that we should be conservative with everything, not only with our forests, but with soil, water, and so forth.

F. G. Haskins, county agent, led the group in community singing, after which Russell Slutz, a former nursery inspector in this area, showed a collection of colored slides which

# HORTICULTURAL PEAT MOSS

**EXCELLENT QUALITY  
GOOD PACKAGES**

Wire or write for price and freight rate.

**THE ATLANTIC SUPPLY CO.**

31 S. Calvert St.

Baltimore, Maryland



FOR ACID SOIL PLANTS

**RELIANCE**  
*Azalea and Camellia*  
**SPECIAL**

Already famous for use on Azaleas and Camellias—Fast becoming the leading plant-food for use on Magnolias, Hollies, Gardenias, Rhododendrons, Kalmia, Tea Olives, Blueberries, Tuberous Begonias, Fuchsias, etc.

Cultural Booklet—Azaleas and Camellias—will be sent upon request.

**The RELIANCE FERTILIZER CO.**  
SAVANNAH, GEORGIA

**FULLER  
WHEEL HOE**  
MULCHES, WEEDS,  
CULTIVATES

Light yet efficient. For close work in rows. Adjusts to operator's height. 6-ft. ash handle; standard 9 1/4-in. bushed wheel; tool steel blades 6 to 14 ins. wide. Weight, 10 lbs.

**FULLER  
WHEEL HOE CO.**  
So. Hamilton, Mass. Catalog



**\$725**

Costs less.  
Weighs less.  
Lasts longer.  
Does more work.  
Best by 40 years' test. Dealer inquiries invited.

were made from pictures he took in Italy and Switzerland while serving with the armed forces. The remainder of the evening was spent dancing.

The committee in charge of this successful event was Melvin E. Wyant, chairman; Charles Kohankie,



# Don't forget!

## Tell your customers...

This year—Vigoro sales are due to climb to an all time high! The home beautification movement . . . a continued interest in vegetable gardening . . . the most powerful Vigoro advertising campaign ever run—all these are your assurance of bigger Vigoro profits than ever before.

Make the most of this unusual opportunity by displaying Vigoro in your windows and in your garden-supply department. Mail out the colorful Vigoro folders. Put up the Vigoro display material available without charge. Above all, explain to your gardening customers that Vigoro is the ideal plant food for every growing thing. That's the sure way to reap those extra sales and profits.



**SWIFT & COMPANY**

Plant Food Division

U. S. Yards

Chicago 9, Ill.

Sell these profitable companion products

End o Pest — End o Weed!



C. T. Waldorf and Margaret Sessler. Members were present from all sections of Lake county, as well as from Geneva, Ashtabula and Chagrin Falls. The next meeting of the association will be in June, at which time there will be an election of officers.

### Various Notes.

Progress is being made in compiling the complete list of names and addresses of all active members of the Lake County Nurserymen's Association. This list will give information as to the type of stock each member grows, and on the back of the list will be printed a map of Lake county, showing the approximate location of each nursery. This is intended for use by the chamber of commerce in response to inquiries which they receive.

Lake county nurserymen have been delayed in starting their spring work because of a prolonged winter followed by torrential rains, but mid-April found them rushing orders to their customers and making new plantings for future sales.

Charles J. Kohankie, Painesville landscape architect who is a member of the Lake County Nurserymen's Association, recently appeared as guest speaker for the Willow Shore Garden Club.

Margaret Sessler, Sec'y.



**THE  
ROTARY  
METHOD  
IS BEST**  
*But...*



### ... Cultivate Either Way with ROTOTILLER\*

Among owners results have proved that the Rototiller method of cultivation is the most effective. It breaks weeds and grasses into tiny fragments, pulverizes surface soil and conserves moisture. Where conventional methods using beet

hoes, steels, duck feet, etc., are preferred, the cultivating attachment (see small view) is available for multiple row work.

— SEND COUPON TODAY —

FRAZER FARM EQUIPMENT  
Graham-Paige Motors Corporation  
Dept. 21, Willow Run, Michigan

Please send me additional information about:

☐ Rototiller ☐ Special Attachments

☐ Have my dealer call about a demonstration

Name.....

R. R. No..... Town.....

County..... State.....

SEND THIS COUPON 

## ROTOTILLER

\*Trade Mark Reg. U. S. Pat. Off.

POWER TILLER OF A HUNDRED USES  
**FRAZER FARM EQUIPMENT**  
Graham-Paige Motors Corp., Willow Run, Mich.

### BIGGEST FREE SERVICE ORGANIZATION IN WORLD.

In seeking aid from state and federal departments of agriculture, nurserymen at times ask for larger sums of money and at others for a better apportionment and more effective uses of the amounts already allotted. Therefore, it may not be self-evident that these amounts are so large, the services offered are so varied and so many people are involved in the administration of the various programs of the United States Department of Agriculture and the state departments that they have prompted J. B. Griswold to refer to the United States agriculturist as "The Most Pampered Guy on Earth," in an article in the May issue of the American Magazine.

Mr. Griswold points out that the employees of the U. S. D. A. and the cooperating state workers make up the biggest free service organization on earth. More than 200,000 men and women, in Washington and the field, are doing an effective job in increasing agricultural production, raising the farm family's standard of living and helping to keep the boys on the farm. More than 80,000 workers are paid by the federal government; the others work for the states, some as paid specialists and others on a voluntary basis. The total is nearly half as many persons as are employed by the United States Post Office Department.

This year the Department of Agriculture is spending \$1,116,000,000, and department officials estimate that state expenditures will bring the total up to about \$1,700,000,000. That, roughly, is more than \$170 for every man, woman and child employed on a farm. In addition, the housewife contributes about \$30 annually to the farmer when she pays food prices that are kept at a high level by subsidies. Last year it cost the Commodity Credit Corporation a net loss of \$830,000,000 to hold up, through purchase and subsidies, the prices of food in which there was an oversupply.

The farm loans outstanding, of all kinds, totaled \$1,779,000,000 at the end of the last fiscal year. Even a minor depression probably would double that amount.

Indicative of the size of the U. S. D. A., the main office building, with 4,292 rooms, is the third largest in the world—exceeded only by the Pentagon building, at Washington, D. C., and the Empire State building, at New York city. Seven other buildings at Washington are necessary to house the 10,000 employees in that



### BIG HAND TRUCK

\$112.50 F.O.B., K.C., Kan.

### THE GARDEN SHOP, INC.

4819 Mission Rd.

Kansas City 3, Kan.

## BIG NURSERY HAND TRUCK

40-inch Ball — 1500 lbs.

New equipment to save time and labor. Handle heavy jobs easier, faster, with fewer men. Get into places otherwise inaccessible to heavy equipment without tearing up lawns.

We are now giving immediate shipment on this big hand truck.

#### SPECIFICATIONS

- Specially designed curved nose.
- Electrically welded—strong, sturdy.
- Equipped with three 4-ply 16-inch tires.
- Over-all width, 45½ inches.
- Over-all height, 7 feet 9 inches.
- Weight, 175 lbs., including 19-ft. chain.
- Attractive, professional appearance.

## PEAT PRODUCTS

Sphagnum Peat Moss.....acid pH 4.0

Hypnum Peat Moss.....neutral 6.5 to 7.0

Black Cultivated Peat.....neutral 6.5 to 7.0

We can furnish you quality peats for YOUR needs. . . . For general soil conditioning, planting, propagating, packing, mulching, top dressing and bulb storage.

BUY CHEAPER, BUY IN BULK CAR LOTS. SOLD BY THE CUBIC YARD. Write or wire for quotations.

## ELI COLBY CO.

HANLONTOWN, IOWA

### NOW! PEAT MOSS direct from mine to dealer.

Canadian Sphagnum Peat Moss packed in large wood veneer bales. Horticultural or Litter Grades.

Orders now accepted for 1947 delivery.

For prices and further details on this excellent opportunity

Address: Dept. N. 11

306 Whittemore St.

Pontiac 20, Mich.

### EXCEL PEAT LTD.

Riviere-Du-Loup, P.Q., Canada

#### BOOKKEEPING—weekly—BY MAIL

Your accounts kept at our office in a simplified manner, at small cost per week. Including Income Tax, Social Security and Unemployment reports. Business and Financial statements. We supply everything. No business too large or too small. Write for particulars.

KINGS ACCOUNTING & TAX SERVICE  
Div. of ALLEN CO.—Kings—Pittstown, N. J.  
W. E. Haver, Chief Accountant

### A. M. LEONARD & SON

Piqua, Ohio

Tools — Grafting Supplies

Write for Bulletin.

city, and there are seven times as many workers in the field.

The Department of Agriculture handles so many different subjects that even men who have been working there for twenty years do not know all about it. When Mr. Griswold interviewed various Department of Agriculture employees, he found they were working on grasshopper poisoning, school lunches, Dutch elm disease quarantine, how to fix a roof, the disposal of surplus dairy products, radio broadcasts, the distribution of market prices, loans to farmers, how to wire a house for electricity, new kinds of disease-resistant potatoes, how to keep topsoil from blowing away, translating a French book about grape culture, collecting information on home freezing of foods, experimenting with a new fiber made from peanut protein, policing meat inspection, surveying future egg production, helping 4-H Clubs, working to improve dairy herds and promoting proper cutting of timber.

The farmer's ever-present helper is his county agent. In addition to many other services, he supplies the farmer with the important findings of researchers in Washington and in state agricultural colleges. Nurserymen are familiar with the booklets and bulletins which have been prepared by experts for free distribution.

If the organizations are at hand and he is a member, the farmer is helped, too, by the Grange, the Farm Bureau Federation, the Farmers' Union and the farmers' cooperative. Usually the county farm bureau is most important and controls the local farm service. The vast and competent extension service of the U. S. D. A. pays part of the expenses of field work and furnishes men, material, advice and backing, but state and county contributions are large.

L. C. BOBBINK, of Bobbink & Atkins, East Rutherford, N. J., celebrated his eighty-first birthday anniversary, April 11.

PAUL HASTINGS has leased ten acres at Hays, Kan., for the growing and distribution of nursery stock and plans to erect a greenhouse there.

A NOVEL circular building at 616 West avenue, Norwalk, Conn., is the new home of Young's Nurseries, Inc., owned by David A. and John A. Young, Wilton, Conn. Former seed dealers at 77 Wall street, Norwalk, the Young brothers took over the Davenport seed business, which had been in operation for fifty years.

# CONCORD

## HAS IT ALL UNDER ONE ROOF

### THE DU PONT LINE



You limit your inventory when you stock the Du Pont line . . . because everybody, yes everybody, buys Du Pont products.



A powerful national advertising campaign in magazines, newspapers and radio will create tremendous consumer demand. Free counter and window display pieces from CONCORD will bring sales to your door.



This is the Sensational New Du Pont Dust Gun

Now available in Garden Dust, Rose Dust and 10% DDT.

CERESAN  
FERMATE  
SPECIAL SEMESAN

DEENATE DDT  
SEMESAN BEL  
SPREADER-STICKER

LORO  
ZERLATE  
2,4-D

## CONCORD CHEMICAL PRODUCTS INC.

DISTRIBUTORS OF DUPONT PRODUCTS EXCLUSIVELY  
636 SIXTH AVENUE • NEW YORK 11, N. Y.

Please send us

☐ 1947 Price Schedule

☐ Profitmaker Plan

☐ Free Folder

Name .....

Address .....

City .....

Zone .....

State .....



## New Products

### OSCILLATING SPRINKLER.

The Shower-Queen is a lawn and garden sprinkler which incorporates many distinctive features, states the Acme Sprinklers Co., Kalamazoo, Mich. The Shower-Queen has an oscillating shower bar which operates in a trajectory arc of 150 degrees, delivering water in the amount of 300 gallons an hour over an area of 50x65 feet.

For smaller areas, it is reported, the unit is so designed that by a simple thumbscrew adjustment any proportionate rectangular area may be covered. The adjustment of the oscillating spray-bar permits the placement of the Shower-Queen adjacent to any building so that the shower irrigates the area from the building outward. Various size areas can be covered by merely reducing the pressure of the water at the faucet.

Another feature claimed by the manufacturer is the advantage offered by the Shower-Queen design and construction. All water is thrown into the air by the oscillating spray-bar and is broken up into droplets, descending in a rainlike manner.

This sprayer weighs only seven and one-quarter pounds and measures  $6\frac{1}{2} \times 14\frac{1}{2}$  inches. Its wide sledlike runners make it easy to reposition when necessary and prevents tipping while being moved.

### VACUUM LEAF RAKER.

A new power, vacuum leaf raker that aids in enriching the soil, the Speedy Power-vac Rakeland, has been developed by the Speedy Manufacturing Co. The leaves are gently loosened from the ground by a rotary rake, sucked up by a power vacuum, ground into a fine powder in a hammer mill and blown out upon the ground, where the pulverized leaf powder forms a natural fertilizer for the soil. The powdered leaf particles also provide a protective cushion for the tender grass stems, preventing the grass from breaking off or the sod from wearing.

The Rakeland is a time and labor-saving device which is especially adaptable to parks and estates where large areas must be cared for. As developed by H. G. Gregory, caretaker of Terrace park, Sioux Falls, S. D., it was mounted on a 24-inch Whirlwind lawn mower, but since insufficient power was provided to drive the machine properly, models are being manufactured to fit all tractors.

### LIGHTWEIGHT WIRE RAKE.

A strong, lightweight wire rake for use on lawns, golf courses, parks, playgrounds and cemeteries is again being manufactured by the Washburn Co. The most distinctive feature of this rake is the fact that the teeth are replaceable and can be snapped out easily and quickly for repair or replacement.

The teeth of the Washburn lawn rake, of flexible, oil-tempered spring steel, follow the natural contour of the ground and will not injure grass roots or delicate plants. The hardwood handle, which is fifty-one inches long, is securely bolted to the steel handle support.

The rake weighs less than two and one-half pounds and is easy to use and to clean. It is sturdily constructed to give years of dependable, rugged use.

### SCALE DRAWING PAD.

Jiffy Sketch is the name of a scale drawing pad that is being introduced by Jiffy Sales Co., Cleveland. It enables one to make properly propor-

tioned drawings without use of ruler, drafting board or T square, and it may be used in the shop or in the field as easily as in the office.

The Jiffy Sketch pad contains seventy-five sheets of high-quality tracing tissue, enclosed within a cover jacket that consists of four cardboard flaps. Various scales are printed on three of the flaps. To use the pad, you simply fold back the cover flap and then place one of the tissue sheets over the scale you wish to employ. Your drawing is made accurately to scale with the aid of the printed lines which show through the tissue.

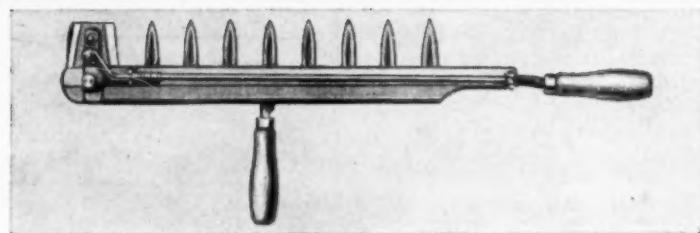
Drawings made on this pad may be blueprinted. There are no ruled lines on the tissue to confuse the drawing. It gives all the advantages of ruled paper, with none of the disadvantages.

The pad measures approximately 9x12 inches. Sheets are perforated for easy removal.

### SOIL TESTING EQUIPMENT.

A comprehensive bulletin carrying the self-explanatory title of "Conductivity Equipment for Soil Testing" has just been issued by and is available on request from Industrial In-

## *Cyclone* HEDGE TRIMMER Trims Hedges, Shrubs, Bushes



**TRIMS** four to five times faster . . . hand operated . . . portable . . . easy to use . . . weighs only  $3\frac{1}{2}$  lbs. . . individually packed for easy handling . . . continuous in action. The Cyclone eliminates the chip-and-chop method usually associated with hedge trimming. Highest-grade materials and precision workmanship throughout.

Stock now available for immediate shipment.

Price \$9.75, F. O. B. Ayer.  
Write for resale discount.

## CHANDLER MACHINE COMPANY

AYER, MASS.

## SPRAY WITH C. P. O.

Use this *Safe, Odorless, Non-Poisonous Spreader* in place of fish oil soaps and summer oils.

### FOR BETTER CONTROL OF

Lace Bug      Pine Leaf Scale  
Red Spider      Spruce Gall Aphid  
Juniper Scale      Euonymus Scale  
Lilac Scale      Aphid

And Most Sucking Insects on Evergreens and Ornamentals

Write for information and samples and learn how you can reduce cost of nicotine sprays one-half.

**Crystal Soap & Chemical Co., Inc.**  
Department A N

6300 State Road, Philadelphia 35, Pa.

## SHAPE & TRAIN EVERGREEN TREES THIS NEW EASY WAY

Use the **PERFECTIM TREE SHAPER**. A guiding tool for shaping Evergreen Trees and Hedges. With this Shaper anyone can trim an Evergreen Tree in 10 minutes or less without previous experience. Simply place Shaper under tree with fork against tree trunk and rotate it around tree with your foot leaving both hands free to operate shears or other cutting implement. Eliminates need for strings, stakes and long distance sighting. Adjustable any size or shape for trees up to 10 feet tall.

Instantly converted from Tree Shaper to Hedge Shaper Folds to hang on wall for easy storage.

All Steel, Precision built of telescoping tubing. Plated for lifetime use. Weighs 6 lbs. Unconditionally Guaranteed. Every owner a happy user. Immediate delivery from stock. \$15.00 prepaid anywhere in the U.S.A.

## BEETS-INC.

P. O. Box 997, Dept. Z-1, Lansing, Michigan

## SHINGLE TOW

Baled and Loose.

Carload shipments only.

From Wisconsin and Michigan.

## SHAVINGS & SAWDUST CO.

Established 1898

330 S. Wells St., Chicago 6, Ill.

Phone: HARRison 3300

## ORCHARD HEATERS

400 Heaters, good as new.

1 to 25	Each \$4.00
25 to 50	3.75
50 to 100	3.50

### LAKE CHARLES NURSERY

Box 146 Lake Charles, La.

## ALLEN'S "FERTO-POTS"

Grow better vegetables, flowers, corns. Start in pots, then plant, pot and all. **PLANT EATS POT**

Box of 100 Box of 250

2 1/2-inch pots .....\$2.75 \$5.00

3-inch pots ..... 5.00 5.00

Write for literature and prices on our full line of AGR. Chemicals. Dealers wanted.

ALLEN CO., Pittsford, N. Y.

struments, Inc., Jersey City, N. J. It deals with the determination of soil moisture content and soil fertilizer content, as well as sampling by means of the soil cup method and the soil extract method. Conductivity bridges, various types of conductivity cells and soil moisture blocks, soil cups and soil thermometers are listed.

## PLANT NOTES.

[Continued from page 21.]

for the middle west, at least, I think it will probably never be widely popular. Even so, it has possibilities in most neighborhood nurseries as a sales item to ardent rock gardeners, especially if care is taken in the selection of one's foundation materials.

### Silene Acaulis.

It is easy to understand the several conflicting reports that can be found in the literature on the plant when we remember the wide range of *S. acaulis* in a natural state, in the mountains of Europe and North America, as well as general distribution in the boreal regions. As most plants of wide range, it has been changed in various ways as it has adapted itself to the different growing conditions and climates. Consequently, it is found to vary widely in floriferousness and not a little in compactness of growth. It is not strange, then, to read that one gardener finds the plant easy to grow and a profuse bloomer, while another may report it difficult of culture and sparing in flower production. I am convinced from experience that the foundation of these conflicting reports can be traced to the material with which the different reporters were working. Unfortunately, I have had very few floriferous plants out of the scores that I have grown from seeds from many localities, the Rocky mountains, New Hampshire, Quebec, Europe and elsewhere. But I readily believe others when they say they have plants that bloom freely, for I have seen solid pink mounds of it on several occasions, notably in an eastern nursery some ten or more years ago.

A survey of the natural habitats of *S. acaulis* will tell one that it requires cool growing conditions, and that, I believe, is one secret of its successful culture. This far north it may be grown in full sun, if it has the root moisture it needs, but farther south it would no doubt want some shade during the heat of the day. Root moisture it does need, yet good drainage is essential for its continued well-being. In this garden it is always given a sere mixture, i.e.,



## Barco-ALLIGATOR PRUNING SHEARS.

You'll like them so well you'll tell your friends about them...

Everybody likes them—and no wonder! They cut quick and sharp. They make work easy. Strong and durable. Long, narrow, "easy feel" hand grip for hard-to-get-at places. Safe: No pinched hands while using; hidden springs. Easy operating safety lock keeps closed when not in use. Steel blade holders; lock nut keeps blades in line; no spreading. Cutting blade, hardened, tempered, leaves perfect cut. Light weight (only 14 ounces).

U. S. Patent No. 2287303

Ask your seed store or hardware dealer

**BARCO**  
MACHINE  
PRODUCTS  
**COMPANY**

1975 EAST 65TH STREET  
CLEVELAND 3, OHIO

one made up mostly of sand and gravel, and it then stays its true self. Several years ago a report in an amateur garden magazine telling of the plant's successful culture in light sandy soil and sifted ashes prompted that experiment here, and the results were most satisfying.

#### Garden Sage.

Among the minor dislocations of the latest war was the loss of sources of supply for savory sage leaves, a condition that has only been partially met by new, mainly American, sources. That an unfilled demand still exists is shown by the report of dealers that they are not supplied with all they could sell. I know a number of neighborhood growers who augmented their incomes not a little when they made extensive plantings six or seven years ago. I do not doubt that one could still share in the good profits, before cheap European supplies demoralize the market.

Garden sage (*Salvia officinalis*) may be grown from seeds, which are often slow in germinating; from mature wood cuttings in spring, and from new growths just before the plant blooms. In both cases, the cuttings may be rooted in sandy soil or pure sand in an outdoor shaded frame, the spring cuttings being ready to line out in about two months, while the later ones of green wood should remain in the frame until the following spring.

#### *Sisyrinchium Grandiflorum*.

Of the score or more blue-eyed grasses that I have grown, few of the showier kinds have been hardy here, but *Sisyrinchium grandiflorum* (*S. douglasii*), the grass widows of the northwest, proved not only hardy, but a good garden ornament as well. If one depended upon periodical literature alone for his information on the plant, he would be justified in thinking of it as just another blue-eyed grass of questionable hardiness. Experience would reveal, however, that he was dealing with a worthy garden plant of many uses. It has its drawbacks, to be sure, including a dormant period in summer, when one has to be prepared to have the ground covered with other vegetation or have the garden suffer from bare places. But that is easily accomplished, because the plant's fight for its life in nature taught it to put up with all kinds of close associates.

The needs of *S. grandiflorum* are rather simple as long as it has an abundance of moisture in spring, and that is generally a part of our eastern spring. During its dormant period in



### BREADY GARDEN TRACTORS (1½ to 2 H. P.)

on rubber with front hitch cultivators.

Plows - Discs - Cutterbar - Lawn Mower Attachments.

Immediate Delivery.

Write for Circulars.

Dealer: **CENTER ROAD NURSERY, Alex Heinz**  
1170 So. Center Road

Saginaw, Mich.

a complete stock of nursery twines ★



**GEO. B. CARPENTER & Co.**  
440 NO. WELLS STREET • CHICAGO 54

"SINCE 1840"

and all of the best

Need we say more? It has always been our aim, and always will be, to supply the required needs with the best twines the market has to offer.

### S A W S

Push stroke, 24-inch-5 point  
Pull stroke, 18-inch, pistol grip handle  
24-inch, reinforced handle,  
16-inch, pole saw blade.

Extra handles for above  
and speed saws.

**LEATHER SCABBARDS** for above  
saws, speed saws, and others. (Send  
outline of saw.)

**PRUNER HEADS** — No. 1 Seymour  
Smith.

**LEATHER HI-TOPS**—16-in., E width,  
6 to 12 sizes.

**TWO-WHEELED ALL-STEEL TRAILERS**—Advantages over any other  
made.

**LEATHER SAFETY SADDLES.**

*Karl Kuemmerling, Inc.*

1021 Renkert Bldg., Canton 2, Ohio

### HYPONEX PLANT FOOD

#### CLEAN—ODORLESS—SOLUBLE—POWDER

USE HYPONEX to grow bigger and better flowers and vegetables in poorest soil—even in sand, cinders or water. Excellent fertilizer for trees, shrubs, lawns and house plants.

USE HYPONEX for top-dressing seedlings, cuttings and transplants. Produce strong root systems and stems, also more and larger flowers and fruit.

SELL HYPONEX to your customers. Nationally advertised.

1-oz. packet ..... 10c—packed 71 to case—wt. 7 lbs.  
3-oz. can ..... 25c—packed 36 to case—wt. 12 lbs.  
7-oz. can ..... 50c—packed 24 to case—wt. 14 lbs.  
1-lb. can ..... \$1.00—packed 12 to case—wt. 16 lbs.  
10-lb. drum \$8—25 lbs. \$15—30 lbs. \$25—100 lbs. \$40  
Commercial growers and dealers receive 33-1/3% discount from the above retail prices.

BUY HYPONEX from your jobber or send \$1 for 1 lb. (makes 100 gallons). \$1 credited on first order for 1 drum or case.

**HYDROPONIC CHEMICAL COMPANY, Inc.**  
315 West 39th Street, New York 18, N. Y.



## RUBBER-TIRED WHEEL

**\$11.95**

**F. O. B.  
CHICAGO**



Equip your wheelbarrows with these timesaving ball-bearing wheels with rubber tires. Sturdy cast metal wheels and low-pressure rubber tires 16x4 inches. Maximum load, 450 pounds. Hub length, 6 ins. Axle diameter, 5/8 in.

## AMERICAN FLORIST SUPPLY CO.



1335 W. Randolph St.

Mention the American Nurseryman

CHICAGO 7

## WOOD POT LABELS— 5/8 inch wide

Size	Pounds per Ctn.	Prices per 1000
		PLAIN PAINTED
4-in.	3 1/2	\$2.20 \$2.65
5-in.	4 3/4	2.45 2.90
6-in.	5 1/2	2.70 3.30
8-in.	4	4.00 5.00
10-in.	5	5.00 6.00

## TREE LABELS—Wired

Packed 1000 to carton. Weight, 4 lbs., 3 1/2 x 5/8 ins.  
We do not break cartons.  
Plain—Per 1000 ..... \$2.75  
Painted—Per 1000 ..... 3.00

## LABELS—Celluloid White

Weatherproof—Copper Wired  
3x 1/2 ins. Per box of 100 ..... \$1.35  
3x 1/2 ins. Per box of 250 ..... 3.00

## SPEEDRY BRUSHPEN

All-purpose marking instrument. Instant drying. Waterproof. Will not smear. Can be used on all surfaces: Wood, celluloid, paper, cardboard. Choice of nibs: Chisel (for fine lines) or round (for heavy lines).  
No. 5, with 1 oz. of ink ..... \$1.95  
Speedry Ink, 4 oz. .... .80  
Speedry Ink, 8 oz. .... 1.45

## A. F. S. "Easi-Off" WOOD PLANT BANDS



Saves time and labor. Bands are removed without cutting; therefore, the dirt ball and roots are not disturbed...

CAT.	Size in inches	Weight per 1000	Per 1000
No. M-310	1 1/4 x 1 1/4 x 2 1/4	12 lbs.	\$3.35
No. M-320	2 x 2 x 2 1/4	15 lbs.	3.60
No. M-340	2 1/4 x 2 1/4 x 3	20 lbs.	4.20
No. M-350	3 x 3 x 3	21 lbs.	4.60
No. M-360	3 x 3 x 4	22 lbs.	5.30
No. M-381	4 x 4 x 4	40 lbs.	6.50

Packed 1000 to the carton.  
We do not break cartons.

## LIGHT WOOD FLATS

For handling and shipping our 1 1/4-inch and 2-inch sizes of Plant Bands. Per 100  
M-370; holds twelve 1 1/4-inch Bands. \$2.75  
M-380; holds twelve 2-inch Bands. 3.30  
M-392; holds twelve 2 1/4-inch Bands. 3.75  
M-393; holds six 3-inch Bands. 3.65  
M-394; holds six 4-inch Bands. 3.95  
Packed 100 to the carton. We do not break cartons. Shipped promptly from the factory in Michigan.

## ALUMINUM TROWEL

All one piece. Will not bend or rust. Full deep blade. Will last a lifetime.  
Each. .... \$0.75; Dozen. .... \$7.50

summer, it cares not a whit for moisture and could probably get along on none at all, though it does not seem to mind if it is in the way of the sprinkler. In good garden soil it may grow ten to twelve inches tall, I am told, but it seldom reached over six or eight inches here. It produced its silky flowers, large for the genus, soon after the melting snow and frost released it from their grip. As generally available, it is rosy-purple in color, though much variation is reported. As the rosy-purple color is the least desirable of all the shades that I have seen, it would pay one to search for the lovely white form, album, and a pale orchid that has come my way once or twice. It also varies to pink. It is, in my opinion, a plant that the neighborhood grower could sell in quantity, for that is the only way to use it to good advantage.

HAVING purchased the nursery of H. H. Kaiser, Cedar Falls, Ia., D. W. Jensen is establishing Lawn City Gardens at 1403 West Twelfth street, Cedar Falls.

A 5-ACRE tract has been purchased by S. G. Milosy & Son, Inc., on Terrill road, Plainfield, N. J., adjacent to its present greenhouse and floral establishment.

## PORTABLE, ALL-BRASS CHAMPION GIVES YOU ALL-PURPOSE SPRAYING AT LOW COST

Here's ONE portable sprayer that does the work of several. Nozzle quickly adjusted to spray anything... up, down or sidewise... as fine mist or 30-foot stream:

INSECTICIDES • FUNGICIDES • OILS  
DDT • WEED KILLER • WATER PAINT

No dangerous compressed air tank. Pressure pumped as needed in pressure cylinder only. 4 1/4-gal. tank and working parts all brass. Trouble-free, no clogging. At your dealer's or direct, \$25.35 f.o.b. Detroit. Territories available for established dealers. Write for literature.

**CHAMPION SPRAYER CO.**

Mfrs. of Portable Sprayers and Dusters  
6509 HEINTZ AVENUE  
DETROIT 11, MICH.



## TIMELY NECESSITIES for Prompt Shipment

- "HOLLANDIA" BURLAP SQUARES  
New Material, Soft, Easy to Tie; Saves Time, Labor and Twine.
- REED MATS for coldframes
- "GIBALTAR" Frost Covers
- "COTTONETTE" Nursery Squares

Write for prices; state requirements

**NEW AMSTERDAM IMPORT CO., INC.**  
122-N Chambers St. New York 7, N. Y.

Horticultural PEAT MOSS  
Finely Granulated  
High Absorbency



## PLANT BOARDS MEET.

[Concluded from page 16.]

fruits, vegetables and other agricultural crops. One of them, the Java mango fly, was brought into Hawaii on planes bringing marines back from Saipan during wartime. No method of control is known for the pest, which has become widespread in Hawaii. With expanding air travel, it and many other pests may spread to the United States, unless stronger precautionary measures are taken.

The National Plant Board passed two resolutions of special interest to nurserymen. One fully supported the position of the A. A. N. on S-338, the proposed amendment to the plant quarantine act which would give the Secretary of Agriculture power to limit quantities of foreign plant materials which may be brought into this country. The other commended the efforts of the A. A. N. in stimulating consideration of programs leading to budwood certification of stone fruit nursery stock.

DUTCH ELM DISEASE  
QUARANTINE LIFTED.

Effective May 1, federal quarantine 71 on account of the Dutch elm disease, imposed on the states of Connecticut, New Jersey, New York and Pennsylvania, was removed by the order of Secretary of Agriculture Clinton P. Anderson, and the rules and regulations supplemental thereto were revoked.

This action on the part of the federal department was not unexpected, as conferences and correspondence had been carried on with those concerned for some months. The position of the department was explained in the following paragraphs in the notice of the lifting of the quarantine:

"For several months responsible officers in the United States Department of Agriculture have been reviewing the usefulness of the domestic quarantine on the Dutch elm disease as a means of preventing or retarding the spread of this introduced disease. This review has included consideration of the subject with all state plant quarantine officials and with others interested, through correspondence and otherwise, and a full discussion at two conferences attended by interested state regulatory officials and representatives of industries which distribute products regulated by the quarantine.

"It has been determined that the continuation of the federal domestic quarantine does not provide practical means for preventing spread of the

## ARIENS TILLER

**BACKED BY 16 YEARS  
EXPERIENCE**



*The*  
**ORIGINAL ALL-AMERICAN  
TILLING AND  
CULTIVATING  
COMBINE**

**Models to meet  
your needs.**

Here is the perfect all-purpose tilling and cultivating combine for the nurseryman. It harrows as it discs as it plows, producing in ONE operation a properly prepared seed bed, thoroughly aerated with the pulverized soil shredded and evenly mixed. No large soil chunks to retard plant growth . . . can be operated in wet or dry seasons . . . handles very easily in small spaces. For complete details and name of distributor, write

## ARIENS COMPANY

**BRILLION, WISCONSIN**

## PEAT PRODUCTS FOR EVERY NEED

**PEAT MOSS**—Shredded nursery packing peat moss, also ideal for mulching.

**PEAT MOSS**—Granulated acid sphagnum peat moss.

**GRANULATED HIGH NITROGEN HORTICULTURAL PEAT**—  
2½ per cent nitrogen quickly available. Large amounts becoming available as plants need nitrogen.

**BLACK CULTIVATED HORTICULTURAL PEAT**—Used by experts for top-dressing fine bent grass, lawns and golf greens. Will not float when watered.

Shipped in bales, bags and bulk carloads. Wire or write for samples and quotations.

### COLBY PIONEER PEAT CO., Inc.

Main Sales Office—Hanlontown, Iowa

**INFORMATION**—We have compiled a list of more than 150 government and experiment station bulletins about nursery subjects. This is a source of free information no nurseryman or horticulturist should be without. The price of our list is \$1.00. Order your copy today.

RICHLAND GARDENS, Martin, Tenn.

disease. It has also been determined that the movement of commodities which may contribute to long-distance, artificial spread into areas where the disease might be considered to be of economic significance can be safeguarded with equal effectiveness by action of individual states.

"The introduced bark beetle,

### GARDEN CLUB SHRUBBERY PROTECTOR



### SHRUB-GARD

An invention that protects your shrubbery from the menace of destructive corrosive action caused by dogs. Makes the dog's visit so uncomfortable that he keeps away, yet it is so constructed that it will not harm the dog. The SHRUB-GARD is a unit of steel spring wires that are flexible and will not tear clothing of passersby. Each SHRUB-GARD has three prongs and covers approximately two and one half lineal feet.

Harmless to dogs or humans.  
Packed one dozen to a carton, weight 2 lbs.  
Price \$2.50 per dozen.

### THOMAS J. MAGEE

631 E. Wadsworth Ave. Philadelphia 19, Pa.

# QUICK, SURE ROOTING MEANS MORE PROFIT

## WHERE AND HOW TO USE TRANSPLANTONE

Treat broad and narrow leaf evergreens, deciduous trees and shrubs. Soak the soil around the roots when planting or soak bare-root plants overnight in a barrel of the solution before replanting. The treatment will not interfere with proper hardening of the wood before winter.

It pays to use Transplantone solution when transplanting shrubs and trees. Transplantone-treated shrubs and trees suffer less from shock and wilt, fewer of them die, *more* of them start active growth *sooner*.

### A LITTLE TRANSPLANTONE GOES A LONG WAY

One pound of Transplantone makes 160 gallons of solution for treatment of trees and shrubs or 1600 gallons of solution for seedlings and soft-tissued plants.

Reg. U. S. Pat. Off.  
**TRANSPLANTONE**

A 3-oz. can of TRANSPLANTONE costs \$1.00

A 1-lb. can of TRANSPLANTONE costs \$4.00

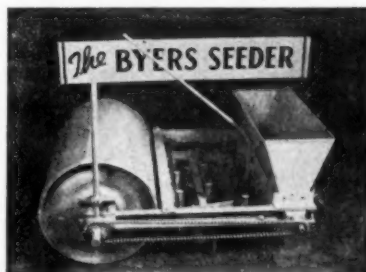
Write today for our special terms to nurserymen.

**AMERICAN CHEMICAL PAINT COMPANY**  
Ambler, Pa.

which serves as the principal carrier of the fungus causing this disease, has been found to be much more widespread than was known when the quarantine was last revised effective October 1, 1941. This bark beetle and related carriers of the disease move considerable distances by natural means and are now known to occur well beyond the known limits of the disease. Quarantine action cannot prevent the natural spread of the disease through the flight of these insects.

"Observations over a period of years have disclosed no instances of spread of either the disease or its insect carriers through the transportation of nursery stock, one of the principal products controlled by the quarantine. Elm logs and firewood are probably the most favorable means of artificial spread of either infection or infestation. The transportation of these is largely local and within the range of natural movement of the insect carriers. The limited long-distance shipment of these commodities is of a nature that can be safeguarded more effectively by state action in the knowledge of where appreciable risk may occur.

"In some areas where the disease is now established the aggressive, co-



U. S. Patent No. 2,070,702  
DISTRIBUTORS WANTED

This machine seeds, rakes and rolls in one operation.

It will sow grass seed, commercial fertilizer, limestone, or any granular material that can be broadcast on the surface of the ground and raked in.

**P. L. BYERS**  
CLYDE, OHIO

## Tree Wound Dressing

Arborist Tree Wound Dressing is a scientifically prepared waterproof composition for application to tree cavities, wounds or other exposed wood of trees. It contains no coal tar, carbolineum, creosote, nor any material injurious to the cambium layer or the life of the tree.

Arborist Tree Wound Dressing possesses antiseptic and fungicidal properties, being waterproof, adhesive and elastic, giving a durable tree wound dressing which will not harm the living tissue.

Per gal.  
1-gal. can (6 in case).....\$1.00  
30 and 50-gal. drums......75

**ARBORIST SUPPLY CO., INC.**

Dept. A. N. I

Rye, N. Y.



## Build Your Own Irrigation System

Using the nozzle that gives adequate irrigation on low operating cost. Covers 40-foot circle on 15 lbs. pressure. Complete even coverage improves yields and quality of crops.

Plan and instructions sent upon request.

**ITTNER BROS.**

Anoka  
Minnesota



## BOOKS

### for Nurserymen

**Book A.** Illustrates in full color 235 standard nursery items, brief description, substantially bound. Price in small lots, **75c** each.

### Descriptive Nursery Catalog

Nicely illustrated, 48 pages and cover. **20c** each in small lots.

### Correct Planting Methods

A pocket-size 48-page booklet. Very complete but concise information, well illustrated. Helpful in preventing claims for dead stock that cost nurserymen money. Sample, **10c**. Write for discounts on quantities.

Will send sample copy of each of the above on receipt of **\$1.00**. Cash with order.

### Made to Order

Catalogs, Folders, etc., with illustrations in full color or one color. Thousands of engravings available. Send your specifications or samples for estimate and suggestions.

**A. B. MORSE COMPANY**  
ST. JOSEPH, MICHIGAN

### GOODRICH RUBBER BUDDING STRIPS

100% Natural Rubber

*Also Madagascar Raffia.*

Write for prices.

**THOMAS B. MEEHAN CO.**  
DRESHER, PA.

### HALPERN BROS.

Burlap and Cotton  
NURSERY SQUARES  
all sizes.

272 S. 2nd St. Market 3346  
PHILADELPHIA 6, PA.

### BAMBOO CANES RAFFIA—BULBS

McHUTCHISON & CO.  
92 Chambers St. New York 7, N. Y.

operative, suppressive program carried on for some years after presence of the disease was discovered has been discontinued. This has resulted in the intensification of the infection and the infestation of insect carriers and has reduced the possible benefits from the control of short-distance spread by artificial means."

### CATALOGS RECEIVED.

Weston Nurseries, Inc., Weston, Mass.—Wholesale and retail price list of general nursery stock; 70 pages and covers, 6x9 inches.

L. E. Williams Nursery Co., Exeter, N. H.—Wholesale price list of general nursery stock; 12 pages, 6x9 inches.

Norfolk Nursery, Simcoe, Ont., Canada—Wholesale and retail catalog of fruit trees, small fruits and ornamental nursery stock; 28 pages and covers, 5 1/4 x 8 1/4 inches.

Woodcock Nurseries, Ridgefield, Conn.—Wholesale and retail price list of general nursery stock; 40 pages and covers, 4x9 inches.

Woodbourne Cultural Nurseries, New Hyde Park, N. Y.—Wholesale price list of general nursery stock; 12 pages and covers, 4x9 inches.

Chautauqua Flowerfield, Greenhurst, N. Y.—Trade list of bulbous materials and hardy perennials; illustrated, 32 pages, 6x9 inches.

Sheridan Nurseries, Ltd., Toronto, Ont.—Catalog of general nursery stock; illustrated, partly in color, 56 pages and covers, 6 1/2 x 9 1/2 inches.

McDonnell Nursery, Oakland 9, Cal.—Retail catalog of general nursery stock and supplies; fully illustrated in color, 32 pages, 8 1/2 x 11 inches.

Richards' Gardens, Fort Collins, Colo.—Retail catalog of general nursery stock; illustrated, 28 pages and covers, 8 1/2 x 11 inches.

Lehman Gardens, Faribault, Minn.—Retail chrysanthemum catalog; illustrated in color, 24 pages, 8 1/2 x 11 inches.

Armstrong Nurseries, Ontario, Cal.—16-page retail catalog of roses; fully illustrated in color, 5 1/2 x 8 1/4 inches.

Rich & Sons Nursery, Hillsboro, Ore.—Retail catalog of general nursery stock; illustrated, 18 pages, 8 1/2 x 11 inches.

Bergeson Nursery, Fertile, Minn.—Retail descriptive price list of general nursery stock; 16 pages and covers, 3 1/2 x 8 1/4 inches.

### LORD & BURNHAM MERGED.

Lord & Burnham Co., Irvington, N. Y., and Des Plaines, Ill., merged with its subsidiary, Burnham Boiler Corp., under the name Burnham Corp. on March 29. The change is in name only, and there has been no change in the management.

The greenhouse manufacturing and equipment business heretofore carried on by Lord & Burnham Co. is being continued as the Lord & Burnham Division of Burnham Corp. The business of the Burnham Boiler Corp. is now known as Burnham Corp.—Boiler Division.

For Over 5 Years Our

### OPEN MESH COTTON NURSERY SQUARES

have rendered  
complete satisfaction  
to the

LEADING NURSERYMEN  
throughout the  
UNITED STATES and CANADA.

Why not try them?

Also

NEW 9-OUNCE  
BURLAP SHEETS  
Size 31x34 ins.

Now Selling for  
IMMEDIATE

or

LATER DELIVERY

Samples and Prices Gladly  
Furnished upon Request.

**AMERICAN-NATIONAL  
BAG & BURLAP CO.**  
INCORPORATED

343 Kent Ave., Brooklyn 11, N. Y.

### IT COSTS NO MORE

(and in most instances less)

FOR OUR PACKING OF  
**Nursery Burlap  
Squares and Rolls**

Write for prices and samples.

**L. ATKIN'S SONS**  
P. O. Box 167 Rochester, N. Y.

### LABELS FOR NURSERYMEN

THE  
**BENJAMIN CHASE  
COMPANY**  
DERRY, N. H.



\*PATENT NO. 2073695

## THEY ARE RIGHT IN LINE FOR YOUR STREAMLINED OPERATIONS

(STANDARD HEAVY)

	No. 0	No. 1	No. 2	No. 3
Height	5½ ins.	6½ ins.	9½ ins.	9 ins.
Diam. Top	5 ins.	6 ins.	7 ins.	8 ins.
Bottom Diam.	4½ ins.	5½ ins.	6½ ins.	7½ ins.
Corresponding Clay Pot	6-in.	7-in.	8-in.	9-in.
Approx. Weight Per 100	35 lbs.	52 lbs.	78 lbs.	88 lbs.
Per 100	\$2.75	\$4.00	\$4.50	\$5.00
Per 1000	\$25.00	\$37.50	\$42.50	\$47.50

Orders for 300 or more pots, any size, take the 1000-pot rate.

We recommend: No. 0 for perennials and use in the greenhouse; No. 1 for perennials and mums; No. 2 for roses and shrubs; No. 3 for large shrubs and transplanting.

F.O.B. KANSAS CITY. TERMS: CASH WITH ORDER (EXCEPT ESTABLISHED ACCOUNTS). Prices subject to Change WITHOUT Notice. Please send 1/4 of amount with C.O.D. orders.

IF YOU DESIGNATE EXPRESS, we advise you to check the cost with your local express agent. Unless otherwise instructed, we will determine method of shipment.

Cloverset Pots take 3rd class freight rate. All Cloverset Pots are packed 100 in carton, ready for use. We do not break cartons.

## CLOVERSET FLOWER FARM

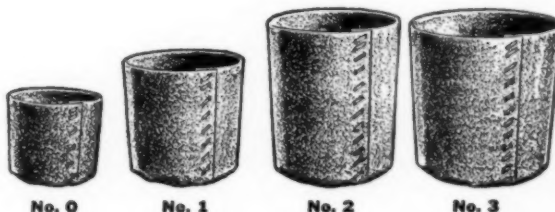
ERNEST HAYSLER &amp; SON

105th Street and Broadway, Kansas City 5, Mo.

● Attractive appearance, ease in handling make them ideal for the serve-yourself merchandising customers prefer.

● There is no loss from breakage, although Cloverset Pots are lightweight—weighing only 1/16 as much as clay pot of same capacity.

● Pots are so low-priced that they may be given away—minimizing time lost in serving customer and creating customer good will.



No. 0

No. 1

No. 2

No. 3

In keeping with the profit-building trend to modernized nursery methods, progressive nurserymen have found that plants set in Cloverset Pots make handsome displays; and sell easily at a higher price, if desired.

Made from tough, asphalt-impregnated felt, Cloverset Pots are nonporous—requiring half as much watering. Plants may be quickly removed for planting by tearing or cutting pot; and your customer will find that plants are seldom lost when started and potted in a Cloverset Pot with double soil capacity.

**ORDER EARLY  
FREIGHT SHIPMENTS ARE SLOW.**

# STILL SHIPPING EVERGREENS

•

By the time this is in print, we hope to have all of our orders dug. We will then be in a position to offer you fast service on B&B Taxus and other assorted varieties.

Contact us for your late season needs.

•

## D. HILL NURSERY COMPANY

*Evergreen Specialists*

*:::*

*Largest Growers In America*

DUNDEE, ILLINOIS